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THE INDUSTRIOUS HEN

5¢ A Copy

50¢ A Year

JANUARY, 1916

Secretary of Agri



First prize winner Madison Square Garden, New York. Bred and owned by H. Cecil Sheppard, Berea, Ohio.

Blair-Young Publishing Co.
INCORPORATED
Louisville-----Kentucky

THE Industrious Hen

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.

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COLLINS YOUNG, President and Manager.
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J. GAYLORD BLAIR, Secretary-Treasurer.

Editorial and Business Staff.

J. GAYLORD BLAIR, Managing Editor.
EDW. M. GRAHAM, Associate Editor,
W. J. SMITH, Artist.

SUBSCRIPTIONS—One year 50 cents; three years \$1.00. Foreign subscriptions 75 cents. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

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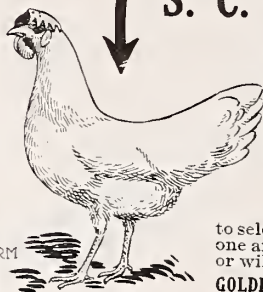
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Handsome, thrifty, range-raised birds that lay and win. Ancona eggs and stock for sale. Campine eggs only. Satisfaction guaranteed.

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That Industrious Hen readers were realizing as never before that we have one of the greatest paying strains of S. C. WHITE LEGHORNS, S. C. BLACK MINORCAS and COLUMBIAN WYANDOTTES IN AMERICA? Never since we began business nearly ten years ago has there been so great demand for our profitable strain of poultry as during the last few months. They are ordering, they are sending repeat orders so well pleased are they. Last spring we foreseen this great demand and prepared for it, by raising to maturity hundreds of grand birds, so notwithstanding this great demand we yet have many fine birds to spare and if you want to get your poultry on a paying basis, get in touch with us. We will quote you our price on application if you will tell us what you want, and remember, you must be satisfied in every instance. Write today to

Mountain View Farm

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A FORCED SALE

Having sold our farm, we advertised a closing out sale, but now we have sold our home property and are forced to sell our beautiful birds at once. Send for prices and list of winnings.

THE CATALPAS POULTRY YARDS, breeders of Barred Plymouth Rocks, S. C. R. I. Reds, White Wyandottes, S. C. White Leghorns, Rufus Red Belgian Hares, Fox Terriers and Shetland Ponies. Everything thoroughbred.

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BARRETT'S BLUE RIBBON AND IMPORTED S. C. ANCONAS. The world's greatest layers. Eggs \$1.50, \$2.00, \$5.00 and \$10.00 for 15. Stock for sale. Barrett's Ancona Farm, Morristown, Tenn. 3-14t

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FREE BOOKLET—GAPES POSITIVELY cured or money back, 25 and 50 cent cans by mail. Agents wanted. W. Doran, Brandenburg, Ky. 1-12t

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**Insures Clean Fowls—
Larger Profits** It has been the Standard Lice-Killer for over 30 years—the standby of Successful Poultry-keepers. Easily used, absolutely safe, sure and quick in results. Most economical because it goes farthest. Try it and see young fowls grow faster and hens lay. Prices \$1.00, 50c, and 25c per Package. Sample 10c. If not at your dealers; send direct. "Secrets of Success with Poultry" by D. J. Lambert for 2c stamp. Address
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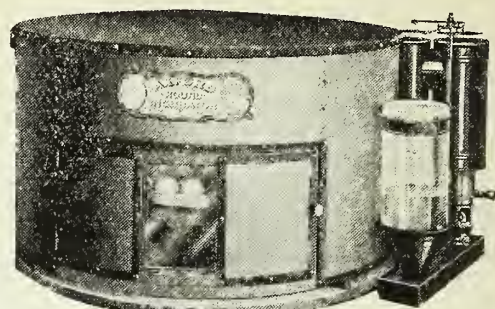
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It has the most wonderful, simple and safe lamp ever attached to an incubator. Oil supply always in sight. You need never put out light to refill the lamp.

Every machine is perfect, and will do all we claim for them. They are sanitary, light and easily cleaned. Will last a lifetime with good care. They are neatly upholstered with an imitation Spanish leather. Round, no cold corners. Will not warp or crack open. WRITE FOR CATALOG.

Two-in-One—Incubator and Brooder—\$13.90
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BUFF ORPINGTONS, WHITE WYANDOTTES AND S. C. BROWN LEGHORNS

Get my prices on old and young stock. Eggs \$2.00, \$3.00 and \$4.00 per fifteen. Good hatch guaranteed. Address,

M. C. RILEY.

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CALHOUN'S S. C. WHITE LEGHORNS

Our many customers from all parts of the country admire their beauty and find them unsurpassed as WINTER LAYERS. Our yearling hens, carefully selected, have wide range and are absolutely unrelated to the males, insuring strong chicks that live and thrive. Write now for prices on hatching eggs and chicks so as to have your order booked early.

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MORRISTOWN, TENNESSEE

JNO. R. CALHOUN, Prop. Half Mile North of Main Street. Visitors Welcome.

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Breeder of Exhibition

Barred Plymouth Rocks

Pullet line only. Eggs for sale after Feb. 1st. Ask for mating list.
Absolute satisfaction guaranteed.

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FOGG'S S. C. WHITE LEGHORNS

ARE BRED FOR

HEAVY LAYING AND EXHIBITION

Choice breeding cocks and cockerels at low prices for the quality. Satisfaction guaranteed. Our free mating list gives description of the matings and prices on eggs and day-old chicks. Send for your copy today.

N. V. FOGG

BOX 4250

MT. STERLING, KY.

A GREAT BARGAIN SALE OF WHITE PLYMOUTH ROCKS

Eventually you will want the best. Why not get them to start with, and save disappointment and loss in the end?

In order to make room for winter I am offering yearling hens and cock birds (birds that could not have been bought at any price during the breeding season) at greatly reduced prices. Thirty yearling hens at \$3.00 each—\$75.00 for the 30. Eight yearling hens and one yearling cock bird for \$25.00.

At Kentucky State Fair I won in the largest and best class ever shown in Kentucky, competing against birds from Halbach of Wisconsin; United Farms of Indiana; Brinkley of Mississippi, and Owen Farms of Massachusetts, 1st hen, 2d and 4th cock, 2d, 3d and 4th cockerel, 3d and 4th pullet, 2d pen. Made a clean sweep at Pennyroyal Fair, Hopkinsville, Ky., as also at Hardin County Fair. My pen in the Missouri National Egg Laying Contest is leading all other White Rocks by more than a hundred eggs. SATISFACTION POSITIVELY GUARANTEED OR MONEY REFUNDED, AND NO QUESTIONS ASKED. Address

OAKLAWN POULTRY YARDS,

W. B. JENKINS, Prop.

Glendale, Ky.

POWER FOR POULTRYMEN

26.50 Economical, reliable, steady power from the simple, rightly designed, heavy duty Galloway engines at right prices.
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 77.50 Big four-color engine catalog mailed free.
 98.75 WM. GALLOWAY CO., Box F Waterloo, Iowa

OUR GOLDEN BUFF ORPINGTONS Lay—Win—and—Pay

GRAINGER & O'BRIEN

Jeffersonville, Indiana

Send stamp for Catalogue.

Barred Plymouth Rocks

Pope & Pope's prize winning strain. I can furnish you nice cockerels at \$3 each and eggs at \$1.50 per 15. Satisfaction guaranteed or money refunded.

J. H. HERRON, NEBO, KY.

ARE YOU INTERESTED IN YOUR POULTRY'S HEALTH?

It Promotes Health
 It's a Blood Maker, a Bone Builder, an Intestinal Antiseptic.



IT PREVENTS
 Gapes, Roup, Cholera in Fowls and White Diarrhea in Chicks.

Postpaid 50c per box, enough for 95 gallons, 200 doses
 J. W. CRISE, Box K Greensburg, Indiana

Buff Orpingtons

The best lot of cockerels and pullets I have ever raised; also nice lot of yearling hens. Write for prices and show record.

BLOOM H. KENDALL,

Shelby, Box B N. C.



USE DIAMOND EGG BOXES for shipping your fancy eggs. Cheapest because safest. Thousands of testimonials. Sample 25 cents; dozen \$1.50. Write today.

DIAMOND BOX MFG. CO.
 North Second Street, Minneapolis, Minn.

CHARCOAL FOR POULTRY

Extra fine, fine medium and coarse, \$1.25 per hundred at Ironton, Ohio. Cash with order. Samples on request.

Jno. Silliman, Box 196-L, Ironton, O.

SEND THE CORNELL HEN

Send for catalogue of seven different kinds of poultry. We are now shipping eggs at a popular price. All guaranteed, delivered and insured to your door without extra cost. We are incorporated, paid in capital \$40,000.

CORNELL COMPANY,
 Great Barrington, Mass.

Twice Told Tales Savings of Funny People

New Side Show.

Tommy had been to the circus with his father and was telling mother all about it.

"But," he said regretfully, "there was one side show we didn't see."

"How do you know you didn't?" asked his mother.

"Well," explained Tommy, "just as we were leaving I heard Mr. Jones tell papa that he'd better stick around so as to see some of the pretty chickens."

A Lesson from the Hen.

Mr. Merchant, take a lesson

From the ordinary hen;

How she loudly advertises

Her great usefulness to men.

Lays an egg, then tells about it—

Lets the world know what she's

done.

She's not like the lazy rooster,

Crowing at the rising sun.

When you've done a thing that's wor-

When you've got something to sell—

Why, just emulate old Dorking:

Advertise, and do it well.

No Answer.

It was scarcely half-past nine when the rather fierce-looking father of the girl entered the parlor where the timid lover was courting her. The father had his watch in his hand.

"Young man," the father said brusquely, "do you know what time it is?"

"Y-y-ye-s, sir," stuttered the frightened lover, as he scrambled out into the hall; "I—I was just going to leave!"

After the beau had made a rapid exit, the father turned to the girl and said in astonishment:

"What was the matter with that fellow? My watch has run down and I simply wanted to know the time."—Lippincott's.

The Main Chance.

"I am much bothered," he said. "I can marry a wealthy widow whom I don't love, or a poor girl that I do love intensely. What shall I do?"

"Listen to your heart," advised his companion, "and marry the one you love."

"You are right, my friend. I shall marry the girl."

"Then give me the widow's address."—London Opinion.

"Bill," said Mr. Doughhead, "when the R. F. D. man comes around this mornin' tell him I want to see him, will ye? I'm thinkin' o' gettin' some o' them newfangled parcel posts the gov'ment's sellin' fer that new fence around the chicken' run. They say they come to about two cent a pound, 'nd that's cheaper'n cuttin' em."—Harper's Weekly.

Nerve Specialist—My dear sir, I can't understand your case at all. Here you were practically cured a few days ago, and now your nerves are in frightful shape again. Have you had a sudden shock of some kind?

Patient—I received your bill yesterday.

Sol Levi was stopping at a certain hotel recently and the following happened in the dining-room:

"Got any oysters?" he asked the waiter.

"No, sah," replied the son of Ham.

"Got any clams?"

"No, sah."

"Have you any shellfish at all?"

Sol asked.

"Boss," said the waiter, "de only kind of shellfish we has is eggs."



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Our illustrated Circular Catalog tells our story much better than this advertisement. You'll save money buying your feed and supplies from it. Send us your name and address. We'll mail you a copy. It gives lots of interesting facts for poultry raisers.

RITTER-HENNINGS CO.

INCORPORATED

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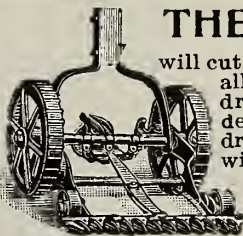
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the hens that lay the eggs—kill the loafers. The Potter System is a simple, certain method of picking the "layers" from the loafers or diseased hens. It is the greatest discovery of the century in the poultry world. Used and endorsed by over 50,000 satisfied poultry keepers. Saves food money and makes it possible to build up a flock of profitable egg layers. **Keep less hens and get more eggs.** Anyone can learn it in a few minutes and pick layers with absolute certainty.

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Have won more prizes at the big shows, Chicago, St. Louis, Louisville, Chattanooga, than all others combined. On account of moving, we are offering special low prices for thirty days. Choice breeding cockerels \$2.00 to \$3.00 each. Choice trios \$5.00 to \$7.00 each. Eggs in season. Gold Medal Buffs win—lay—and pay.

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ANCONAS

Bred to lay. Free instructions that bring success on how to feed for eggs, care of poultry, to make tonics and medicines, to each purchaser. Used with common sense you will succeed. Write me. Setting eggs \$1.50; fifty, \$4.00; one hundred, \$7.00. Reference, Traders and First National Banks.

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Star-Egg-O tones up the fowl's system, aids digestion, and helps it through the moult. It is the Egg Tonic that puts the eggs in the basket and the dollars in the bank. If your hens are not laying as they should, give them Star-Egg-O and they will soon be laying and making a profit for you. Packages 25c, 50c, and \$1.00.

The Star Roup Powder

is just the thing to have around at this season of the year; it is an insurance to your fowls, because it will prevent and cure the Roup. Packages, 25c and 50c.

The Star Poultry and Live Stock Tonics, Remedies and Foods are a superior line for the poultryman and live stock breeder. Send for catalogue. If your dealer cannot supply you, write

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THE INDUSTRIOUS HEN

VOL. XII.

LOUISVILLE, KY., JANUARY, 1916

(Whole No. 131)

No. 7

November Report of National Egg-Laying Contest at Mountain Grove.

The Ideal Hen—Prize Winners and Egg Layers—Oregons and Reds Tie for November.

[By C. T. PATTERSON, Pathologist, Missouri State Poultry Experiment Station, Mountain Grove, Mo.]

IN ORDER to succeed in breeding any animal, it is necessary for the breeder to have an ideal and his efforts must be for the production of that ideal. Different breeders have different ideals. One man strives to produce the high scoring, prize winning hen, paying little or no attention to egg production, while another tries to produce the high laying hen and ignores fancy or show qualities. All will agree however, that the highest ideal is the hen which scores high, lays a great many eggs and lives a long time.

Of the many lessons learned in the egg-laying contests, one which stands out most prominently is that color has nothing to do with egg production and that high scoring birds are often high producers. In order to get an idea of the standing in the show-room of the exhibitors who have had high producing hens in the contest at Mountain Grove, a letter was sent to each contestant who has had hens in the contests which produced 200 eggs or over. Sixty contestants were heard from, giving the prize winning records while their hens were making the high record at Mountain Grove. One thousand eight hundred twenty-three prizes were won by these contestants which were as follows: 653 firsts; 477 seconds; 243 thirds; 198 fourths; 92 fifths; 142 specials; 18 sweepstakes. Eight contestants had not entered any shows, therefore had won no prizes.

Many of the hens which won in the egg-laying contest won prizes before and after the contest. These prizes were won in San Francisco, New York and Chicago shows, ten State shows, eighteen State fairs and many district, county and local poultry shows. This would indicate that many breeders are reaching the high ideal.

These records together with observations made during the contests indicate that color of bird, color of eye, kind of comb, etc., have nothing whatever to do with egg production, and that the fine show bird which scores high is just as sure to be a good egg producer as the low scoring bird, and as the bird which scores high usually carries herself like she thought "life is worth living." She has high vitality which indicates long life.

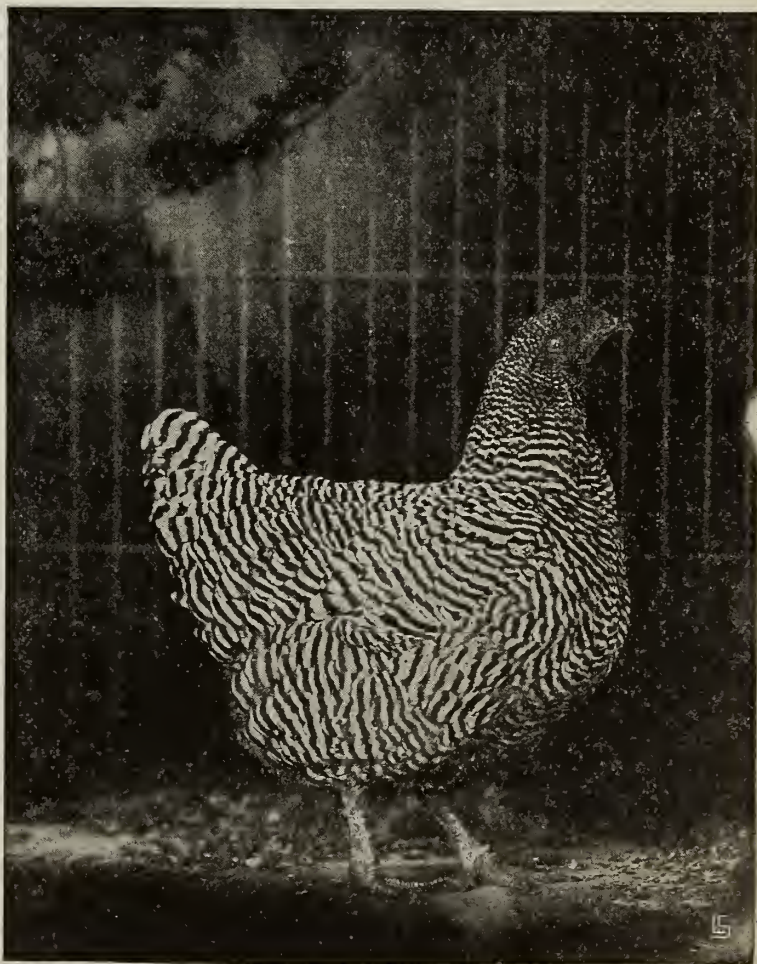
Summarizing the fancy and utility question, we find some contestants who win in egg production, but not in the show-room. Others win in the show-room, but not in egg production, while others win in both shows and egg production. This leads us to believe that it is possible to go to either extreme by breeding or to combine the two.

The man who has never had his birds in a show has no right to claim they are high scoring birds, and the man who has never tested his birds for egg production should not boast of high producers, but the man who can win in both deserves the highest honors.

The fifth National Egg-Laying Contest is starting off nicely. Fifty-one and two-fifths of the birds score above 90, this being the score required by the American Poultry

Association to win a first prize. Therefore 51 2-5 per cent of the five hundred and thirty are eligible to win first prize by the American Standard of Perfection.

Considering the fact that the birds were not prepared for exhibition, it is evident that a higher per cent would have been scored if they had been washed and prepared for scoring.



"Princess Efficiency," Champion Barred Rock exhibition female at the Chicago Coliseum Show in 1914. Bred and owned by O. B. Andrews, Chattanooga, Tenn.

The five highest pens for November are as follows:

Pen.	Eggs.
59. R. C. Reds, Missouri	101
102. Oregons, Oregon	101
17. S. C. White Leghorns, Texas	92
69. Barred Plymouth Rocks, Missouri	89
75. White Rocks, Washington	86
93. S. C. Black Leghorns, Iowa	74

The five highest hens for the month are as follows:

Hen.	Eggs.
715. Barred Rock, Missouri	26
754. White Rock, Washington	25
825. Black Orpington, Indiana	25
495. White Wyandotte, Michigan	24
595. R. C. Red, Missouri	23
692. Barred Rock, Missouri	23
753. White Rock, Washington	23
1024. Oregon, Oregon	23
703. Barred Rocks, Missouri	22

Pens 59, R. C. Reds, and 102, Oregons, tied for the November cup, each pen laying 101 eggs. The total number of eggs laid in the entire contest for the month was 3,166.

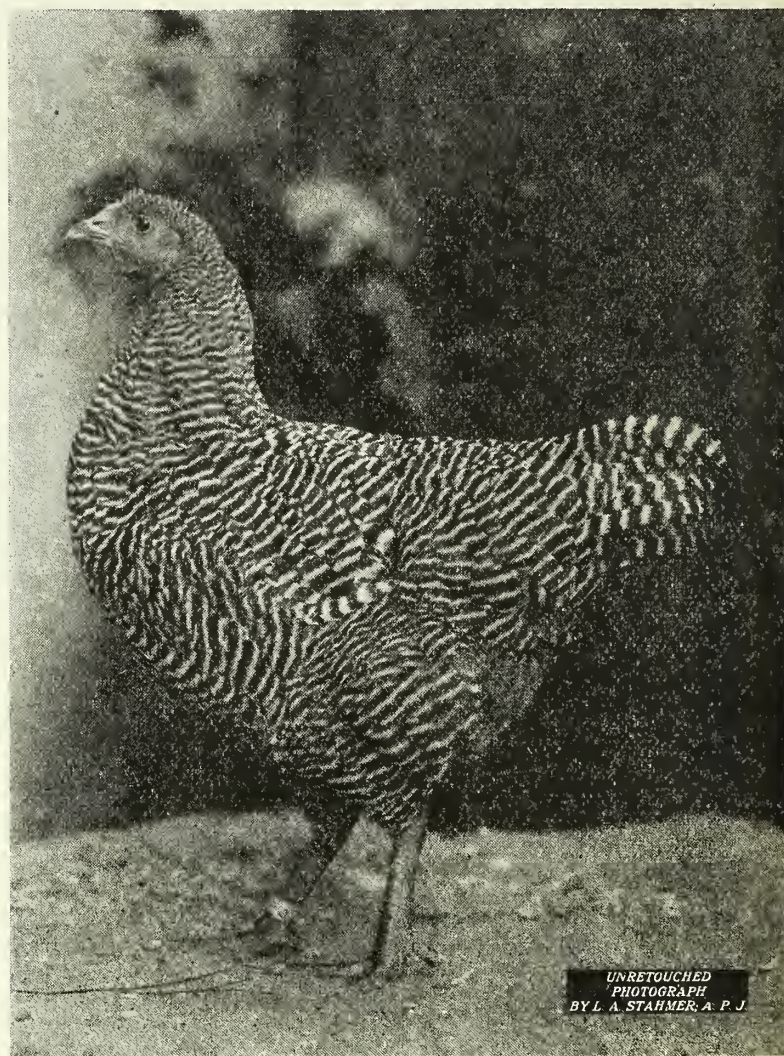
THE VALUE OF A LIVE POULTRY SHOW.

Poultry Shows Boost the Industry and Gets New People Started in the Breeding of Purebred Birds.—We Need More Live Shows.—Every County Should Hold Poultry Exhibitions During the Fall and Winter Months.

By J. C. CLIPP, Saltillo, Ind.

WHAT a live poultry show is to a community is what oil is to the bearings of machinery. The fancy would soon wear out if it were not for the poultry shows. The writer has attended some of the best shows this season it has ever been our pleasure to visit. This all goes to show that the poultry industry is just now beginning to wake up to real facts. Some two or three years ago I met a man in one of our best shows who was at that time making his first exhibit. I was talking to him shortly after the judge had given out his decision on the classes he was interested in and the only prize he won was fourth hen. I said to him, "Well, I presume you will now display your sign as one of our 'quitters,' will you not?" To this he replied, "Not much; I am fool enough to believe that there is good money in the poultry business and I am just another fool to believe that I can exhibit birds that can win first honors just as well as my competitors and if I haven't got them now I will go after them and bring home the bacon and in due time you will see me win the laurels." So while making one of the regular shows this winter I met up with this party again with a full string of birds. Remembering distinctly what he had said to me some few years ago, I was curious to know just what he had in the show at this time. It seemed that he remembered the same thing and as soon as he observed my presence in the show-room he came right up and said, "Well, Clipp, if you have the time I would thank you to note my exhibit this year and see if you can discern any improvement." I walked over to the aisle containing his exhibit and at a glance I could see a vast improvement in his fowls. I only passed a few casual remarks regarding the show he was putting up, not caring to express myself fully until after the awards were up, believing fully that he would be able to win every prize competed for. Consequently, after the awards were made known, I found he had won every first, second and third prize competed for and allowed the other fellow to take away the minor prizes. After the facts had been known and everybody was talking over the decisions made, all agreed that this party got what he rightly deserved. I said to him, "Please pardon me, but I would be pleased to know just how you advanced so rapidly, as it has only been two or three years since you took to the woods and allowed the other fellow to carry home the bacon." "But it's different now," he said; "I'll tell you how it happened. As soon as I found that I did not have the quality, I sent right out for a good male and three females, the very best I could buy; I paid \$50 for the cockerel and he proved a grand breeder; I paid \$25 each for the hens, making a total of \$125 for the four birds, and it has been the best investment I ever made. I have several birds at home just as good, in fact, we are preparing another string of birds for the State show, that are just as good as these and I believe I could make three or four shows using as many birds, as we have here all different individuals and make as successful win as we have here, but we will only make the State show now and will then mate up our pens as we are having several calls for eggs at good prices. Just sold two settings this morning for \$10 per setting and I think that is right good, don't you? And then again, I don't like to keep such quality out in the show-room so long as it seems to injure them to exhibit them so long."

Well, it goes without saying that the poultry shows are the life of the fancy poultry industry. I have been pretty largely over the West and Northwest and have taken in many of the best shows on the Pacific Coast where almost everything is at least fifty years in advance of the Middle West; have seen what I supposed shows that could not be excelled, but when I attended the Louisville, Ky., show during Thanksgiving week, this year, I said to some of my friends and to Judge Pickett that I would certainly have to take off my hat to the fanciers of Louisville, who have made it possible that the Armory show was the grandest thing of the kind I ever witnessed. But when we note the officials that were back of this great amusement it is no wonder that the uniform cooping, the display



The above Barred Rock pullet won Championship for the best pullet in the entire show at Chattanooga in November, all varieties competing. This is splendid proof of the kind of Barred Rocks bred by O. B. Andrews, Chattanooga, Tenn. Look up his advertisement on the outside cover of this issue and write him for his handsome free catalogue today.

of ornamental fowls, the great display of every kind of dogs on earth, the pigeons and the floral display was superior to any other in this country.

Great credit is due Superintendent J. Gaylord Blair for the arrangements and the display given each exhibit. A. W. Haller proved himself a genuine secretary, as he was "Johnny on the spot" early and late. I have been in shows that the secretary was constantly absent; nothing could be done on account of the absence of the secretary; but such was not the case in the Louisville show. Eugene J. Straus, the president, was as busy as busy could be, when his time was not all taken up in his private office he was seen running on high throughout the hall looking after the interest of the exhibitors as well as the association.

When shows of this class are pulled off it can only be said that it is another page in history that will record the details of that Southern hospitality which was shown the exhibitors by the management of this great Armory show. When such exhibitors as H. L. Bratton, C. C. Loomis and W. E. Swift, of Rhode Island Red and Rhode Island White fame, pronounce such shows the best they ever saw it means something, as these exhibitors have exhibited in the best shows in the country and know what it takes to constitute a good show.

A show of this class can hardly be estimated of its true value to the fanciers. I will venture to say that this show will be the direct result of hundreds of many new fanciers and will mean thousands of dollars spent for birds of every description; in fact, such shows are the live wires of the country and should have the support of every active fancier. I am going to prophesy that next year will bring out one of the best shows ever seen, even superior to this last show if such a thing is possible. The Crystal Palace, Madison Square Garden, or Chicago may claim some more popularity, but they cannot possibly put up a better arranged show or better quality of birds. There were birds in the Louisville show that were as good as good ever made them and in future it will be recognized as the leading show of the country and a winning there will add as much honor and value to the specimen as if it had won at New York. Of course many will doubt this, but, believe me, those who attend this show will fully realize that a bird that has won at the Armory show of Louisville, is a bird of great value and was in a strong class. Again we must say that while Louisville shows have not been recognized as one of the national shows by some pet fanciers, she is today in a class with the most noted national shows of the world.

HATCHING AND CARE OF THE EARLY CHICKS.

Valuable Suggestions as to the Hatching and Feeding of the Small Chicks for the Best Results.—For Show Birds for Early Fall Fairs Hatch During January and February.

By B. F. KAUPP, Poultry Investigations and Pathology, North Carolina Agricultural Experiment Station, West Raleigh, N. C.

THE larger breeds as the Rocks, Wyandottes or Orpingtons should be hatched in February or March, properly cared for and fed so as to reach full development and have proper weight by fall. Selection of pullets for breeding should be made from these early hatches. Strength and vigor must be kept in mind in making these selections. The lighter breeds as the Leghorns may be hatched about the first of April. Pullets hatched at this time will begin to lay in the fall and will probably not moult until the following fall. Thus saving the loss incurred by the birds going through a moult. Often such breeds hatched a month or two earlier begin laying in the early fall then begin to moult which causes them to stop laying for a while.

The following ration is used in chick feeding this year at the North Carolina Agricultural Experiment Station. The baby chicks for the first five days are fed a mixture of

Rolled oats	8 parts
Bread crumbs or cracker waste	8 parts
Sifted beef scrap	2 parts
Bone meal	1 part

This mixture is mixed with sour skimmed milk and fed five times a day. Shredded green food, fine grit and charcoal is scattered over the food.

From five to fifteen days the following mixture is given:

Cracked wheat	3 parts
Cracked corn (fine)	2 parts
Pinhead oatmeal	1 part

Scattered in light litter morning and evening.

The following mixture with sour milk is given three times a day in addition to the above. At the end of fifteen days it is fed only twice a day:

Wheat bran	3 parts
Corn meal	3 parts
Wheat middlings	3 parts
Beef scrap	3 parts
Bone meal	1 part

After the chicks are thirty days old give moist mash once a day. And keep same mash dry in dry mash hoppers before them at all times. And give the following in litter morning and evening:

Whole wheat	3 parts
Cracked corn	2 parts
Hulled oats	1 part

After the chicks are six weeks old continue dry mash as above and give the whole wheat and cracked corn equal parts in hopper.

Chicks should be provided with green pasture made by spading up their run and sowing it down in oats or rape. Clean water should be kept before them at all times. The pans must be thoroughly washed each day. Avoid damp foul ground and if brooding is done by the hen keep her confined till chicks are weaned and remove to clean fresh ground once a week. Disinfect with a five per cent carbolic acid solution or other equally good disinfectant all feeding utensils and brooder or brood coop frequently.

THE VARIETY OF POULTRY YOU SHOULD BREED.

The Runner Duck Offers Great Opportunities Because They Have Proven to be Great Layers, with Large Egg Records.

By CHAS. FRASER, Marlton, N. J., Sec'y-Treas.
Penciled Runner Duck Club of America.



THE American people are considered very progressive, and are usually on the lookout for something good, for new improvements and for the best in all lines of fowl, but they have failed to discover the great advantages of the purebred Runner ducks over all variety of other fowl. In Europe the duck is considered the greatest utility fowl, and the eggs of the duck are looked on as a luxury, while in America there are hundreds of thousands of our people who have never tasted a duck egg. It is true that some duck eggs may be strong and not of a good flavor, but it is different with the Runner duck eggs; they are the most delicious eating of all variety of eggs, and most of them are double the size of the ordinary hen's egg, in addition to this the Runner egg contains 30 per cent more protein for the same weight of hens' eggs, showing it is much richer and a fine food for invalids.

A lot of advertising has been done in our daily papers about a Leghorn hen which laid 315 eggs in 365 days. This is a world's record for a hen in competition. This record will be announced from the housetops, and a great to do made of it; yet very little is known by our people of egg records of Runners. We have a record of one Runner duck in competition laying 320 eggs in 365 days, and we are willing to wager that these 320 eggs were twice as large, and weighed twice as heavy as the 315 eggs laid by the Leghorn. Such being the case, the duck is ahead of the Leghorn to the extent of double the amount of egg production or in other words, the duck laid enough egg material to make 613 Leghorn eggs. This is something to think about, and it is no idle dream, as any breeder who has the purebred Runners will tell you that the Runner duck is the greatest layer of pure white eggs of any fowl in the world, and they will lay at all seasons of the year.

To get the best egg results they must be protected from severe snowstorms and well housed in the Northern climate with plenty of good dry bedding, fed a good laying ration and the ducks should not be frightened by persons or animals at any time, as a fright will stop the egg yield.

The original Runners came from the Dutch East India Islands, not from India as most all writers have claimed. These native birds are smaller in size and more upright than our Penciled Runner, but in all other respects they are not as good a fowl as our standard bred Penciled Runner, which holds the record of the world in competition as the greatest of egg producers.

Now is the time for the buying of drakes and mating them up for next spring's hatching. It requires ducks a longer time to mate up than it does other fowl and for this reason the mating should be done as soon as possible. Get the best quality drakes to mate up with your flock that you can afford, one which is purebred and of an established egg producing strain of Runners. By getting better drakes every year, you can build up your flock wonderfully.

If you are not a breeder of Runner ducks, do not fail to give them a thorough study before going into the poultry business, as you will find that they have many advantages over the chicken, not being subject to the great number of ailments a chicken is heir to, that they can be housed in cheap quarters, are not heavy eaters, can be kept on wet ground, or on dry soil, with only drinking water furnished them. A two-foot fence will hold them; they do not scratch up the garden and they will destroy all the mosquitoes in the neighborhood.

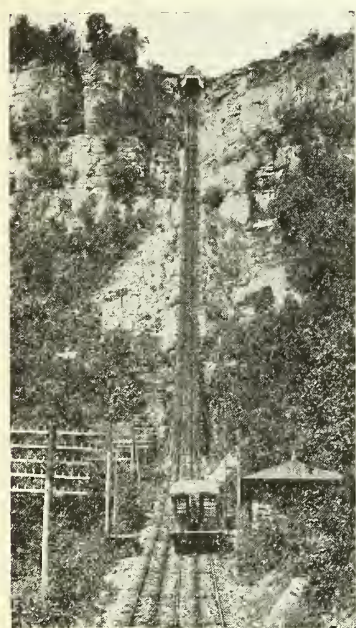
SOUTH'S LARGEST SPECIALTY POULTRY FARM.

Located on Lookout Mountain, near Chattanooga, Tenn.,
Where the Famous Premier Strain of Barred Rocks
Are Produced by O. B. Andrews.

By the EDITOR.



ANY people have been under the impression for a number of years that the South cannot produce as good show birds as the North or East, but surely O. B. Andrews, of Chattanooga, Tenn., has more than demonstrated what a Southern breeder can produce after winning with his Premier strain of Barred Rocks at every large show all over the country in the strongest of competition he could possibly find. During the past two years he has won the best prizes at such shows as Panama Exposition, Hagerstown, Chicago, Chattanooga, Memphis, Atlanta, New Orleans and scores of other shows. This is a wonderful record and stamps his Barred Rocks the real champions of America.



The incline going up on top of Lookout Mountain, where O. B. Andrews' Premier Barred Rock Farm is located, near Chattanooga, Tenn.

Mr. Andrews' farm is located on Lookout Mountain, about nine miles out of Chattanooga, and can be reached easily by electric car, which has to ascend the steepest incline in the world in order to reach the top of the mountain (see cut showing incline). From a point a hundred yards from the farm, one can gain a view of seven States. Located as this farm is, on a high point, makes it one of the most desirable locations to be found for a poultry farm. Located on this farm is the beautiful residence of Mr. Andrews and poultry houses of the latest design, the fresh air plan which insures healthy vigorous birds at all times. This is one poultry plant that the South should be proud of and especially of the splendid showing his birds have been making at the largest shows in the country, and these birds were bred and raised in

the South, by a Southern breeder.

Mr. Andrews has issued a handsome catalogue showing pictures of his plant and birds and it will be sent free to any of our readers who will ask for a copy and mention this paper. It is one of the handsomest catalogues ever gotten out by a poultry breeder and we would like to have every one of our readers who are interested in Barred Rocks to have a copy.

In shipping eggs to his customers, they receive the same sort of eggs he uses himself and are from his prize winners. The winnings made by his customers from birds hatched from his eggs proves this conclusively. His show season is over for this year and his pens mated. He is ready to fill orders now for hatching eggs from his famous winners.

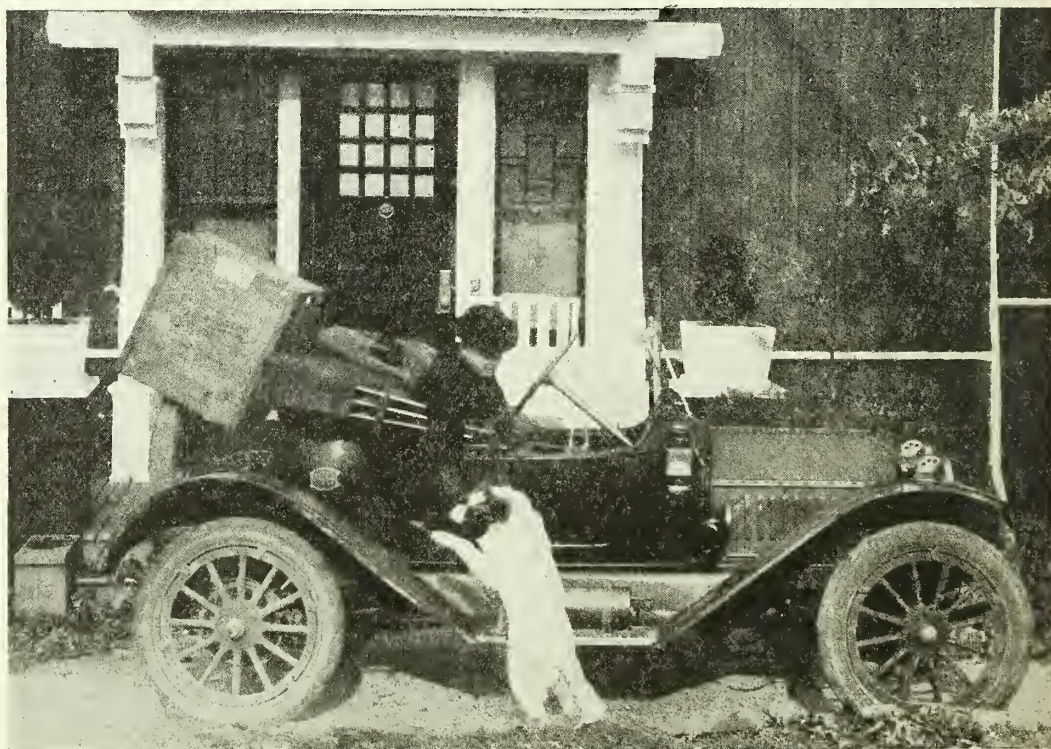
We reprint a part of the writeup of Mr. Andrews farm from the American Poultry Journal, as it appears in his catalogue, below, and will give our readers an idea of the many connections Mr. Andrews has at the present time in the business world:

"Mr. Andrews' slogan of 'Efficiency' and 'Ask the Judges,' is well known to the American fanciers and his success in the poultry line as well as in the manufacturing business is

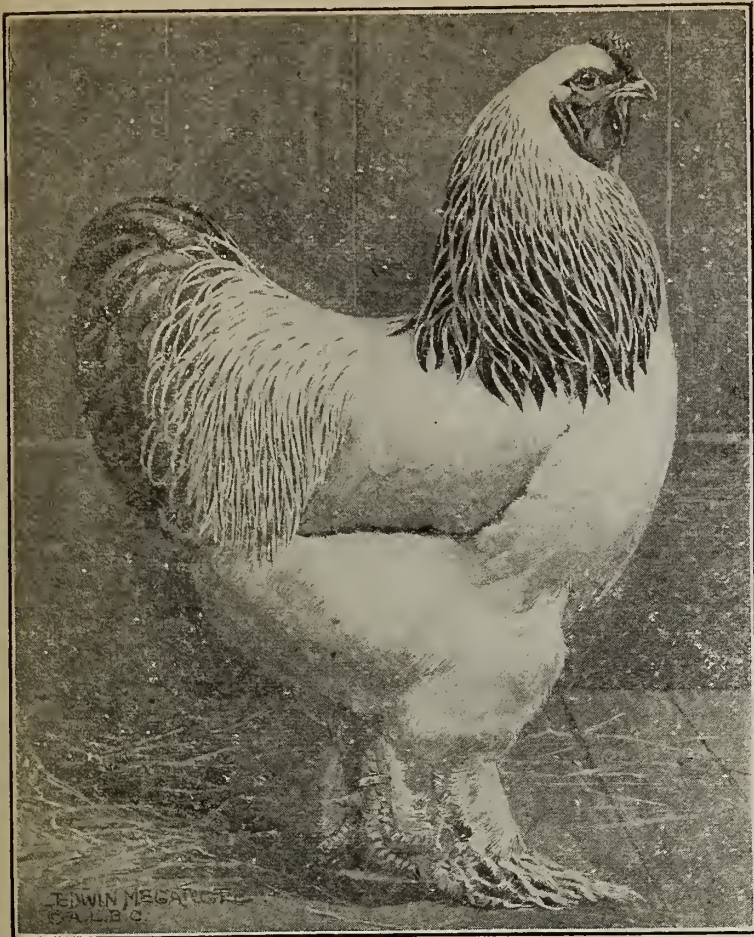
the results of the general adoption and application of these principles. Mr. Andrews is a young man, barely thirty-two. He started in the box manufacturing business in Chattanooga about ten years ago with a force of six men in a one-room plant. At the present time he employs close to four hundred men and his factory for manufacturing all kinds of boxes as well as poultry supplies is known as the largest and most modern in the South. Besides being president of the Andrews Paper Box Company, he is also the president of the Southern League Baseball Club and director in several Chattanooga banks, corporations and clubs. All this, however, has nothing to do with his chicken business, as that is merely his hobby, but we mention it here to show what 'Efficiency' has done for one man. It is sure working wonders for him and it has brought him to the front as the South's leading fancier and is making him a strong contender for national honors on account of his recent great winning at the Chicago Coliseum Show."

As mentioned above, Mr. Andrews is president of the Andrews Paper Box Company, which is one of the largest plants of its kind in the country. About twelve months ago they patented the Andrews Safety Shipping Coop, "The Coop Without a Nail," and placed it upon the market and it has swept the country like wildfire. It is the lightest, safest and cheapest coop ever devised and the only coop which can be used over and over again and does not have to be nailed. They also manufacture a complete line of hatching and commercial egg carriers and baby chick boxes. We will have more to tell you of this line in one of our future issues. A number of cuts showing his birds and plant appears elsewhere in this issue, and we believe this will give all of our readers an idea of what Mr. Andrews has and what he is doing on this farm with his famous Premier strain of Barred Plymouth Rocks. The reputation gained by him with his birds at the best shows all over the country is one to be proud of, and more especially when we know he is a Southern breeder and his birds were bred and raised in the South.

His breeding pens are now mated and he is ready to ship you eggs that will hatch you winners. When you buy eggs from him you get the same eggs that he hatches his winners from and you have the same chance to get New York and Chicago winners. This is proven by the letters received by him from his customers who purchased eggs from his yards and raised winners that have won at the largest and best shows in the country. If any of our readers are in the market for Barred Plymouth Rocks be sure to get his catalogue and prices on stock or eggs before placing your orders elsewhere.



O. B. Andrews, Chattanooga, Tenn., starting down the mountain with a rush order for an exhibition bird of his famous Premier Strain of Barred Rocks. It also shows one of his registered White Collies which is also bred on Premier Farm. There are very few purebred White Collies in America today.



The above cuts show ideal male and female. Drawn by S. Edwin Megargee for the American Light Brahma Club. We would like to see more breeders in the South breeding this grand old breed of birds.

WHY RHODE ISLAND REDS ARE SO POPULAR.

They Are an American Production and Have Grown in Popularity Until They Are One of the Most Popular Breeds Known—They Are Great Winter Layers and an Ideal Farm Fowl.

By MRS. DON DONALDSON, Decatur, Ga.

WHY are so many people taking up the breeding of Rhode Island Reds? First, they are the great utility fowl, combining the ability to produce the maximum amount of eggs and meat in a given time. Second, the eggs are large and brown, always fertile and are produced in large quantities in the wintertime when prices are up. Third, the chicks are easy to raise, quick growers and early broilers. Fourth, they are best for the city lot, being easily confined by a four-foot fence. On the other hand, when given their liberty, they are fine foragers and make the best farm fowl. Fifth, every one admires their plumage. What can surpass the rich, glossy coloring of the well bred Rhode Island Red male or female?

The Rhode Island Red is strictly an American production and being an outcross for so many years, has given them certain desirable characteristics which place them in the foremost ranks of utility fowls. Their great constitutional vigor and unsurpassed egg productiveness have won for them a host of admirers.

The true shape of the Rhode Island Red is the nearest of all breeds to the real egg type. The long, oblong body with full, round breast is characteristic of the breed. The back should be carried horizontally with head and tail low, thus giving the idea of extreme length. This advanced type is now seen on nearly all the great winners of the day and the short, high tailed Red in the show-room has become a thing of the past.

The standard weights for Reds are: cocks, 8½; hens, 6½; cockerels, 7½; pullets, 5 pounds. These weights are large enough for good utility fowls. A Red pullet will attain standard weight in five or six months and be ready to lay, whereas the large, heavy specimens require eight to ten months to reach maturity. Any tendency to increase the weight of the Reds will injure their strong utility characteristics.

Rhode Island Reds are no longer hard to breed true to color. The tri-colored males and buff females are now a thing of the past. Carefully bred Reds will throw no

more culls than any other breed. Uniformity of color, especially in the females, has been the hardest obstacle to surmount, there being a tendency to run to the lighter shades, particularly the second year. Carefully bred flocks now show evenness and uniformity of coloring, even after the moult. The best colored specimens are very valuable and eagerly sought after for breeding and exhibition purposes. The ideal color is a rich, lustrous, uniform red, with undercolor to match and free from peppering or excess color. We must have a gloss and brilliance to our Reds to make them attract attention in the show-room. Then they must be dark to possess a uniform coloring, not approaching a mahogany but that happy medium of rich blood red that cannot be described. Truly the breeding of Reds is a fascinating study.

HOW TO GET GOOD EGG PRODUCTION FROM YOUR HENS.

It Pays to Keep Purebred Birds.—Use Great Care in the Proper Selection of Layers.—Provide Comfortable Houses and the Proper Rations.—Keep the Hens Happy by Making Them Exercise After All the Grain Given Them.

By B. F. KAUPP, Poultry Investigations and Pathology, North Carolina Agricultural Experiment Station, West Raleigh, N. C.

IF YOU want to secure a goodly number of eggs it is necessary to make the proper selection of hens. In breeding, one should select for longevity, use late moulters, select early producing pullets, use fall and winter layers, select heavy eaters, select early risers and late retirers, select mature birds. We believe it pays to keep purebred poultry because they are more reliable in breeding, greater egg producers, superior in meat quality—mixed breeds tend to revert. Purebred first cost of starting is but little more and it costs no more to keep them. One should secure better results in feeding, better hatching quality, less broodiness, more attractive appearance. Size, shape and color of egg more uniform, can sell eggs and stock for breeding, has greater selling value, can start up-to-date, great pleasure as well as profit.

Laying hens should be kept warm and protected from storms. We recommend the open-front house with perfectly tight back, sides and roof, so there will be no

draught upon the birds. We are preparing some blue prints and instruction sheets for those of our State who desire them. One building will accommodate twelve birds, another, a two-unit house with thirty, or fifteen in each unit; and still another unit house, 200 or 100 in each unit.

To keep the hens happy they should have about a foot of wheat or oat straw in the bottom of the house into which the scratch feed should be thrown. The dropping board should be cleaned at least twice a week and still better, once a day. It is necessary to keep the birds free from lice and chiggers. To do this it is necessary to frequently clean and spray the nests and walls, cracks and crevices of the whole building, using a one to five per cent solution of creolin, kresol or other good coal tar disinfectant, and pour kerosene on the roosts and dust insect powder among the feathers of the birds, stroking the feathers forward so as to get the powder to the skin. Vermin weaken birds, and lay them open to attacks of disease and are indirectly the cause of more loss from death, egg production and flesh than any other one cause.

The birds should not be frightened by strangers and dogs, etc., entering their premises.

The first feed should be given about 7 o'clock in the morning and should be thrown in the straw in the hen-house so the hens will be kept busy scratching for an hour or more. This is called scratch feed No. 1.

Dry mash should be kept in slatted hoppers in such a way that they cannot throw it out and this feed should be kept before them at all times.

The second scratch feed should be given about 3 o'clock in the afternoon and should be thrown in the hen house so as to make them work for it. This is called scratch feed No. 2.

Scratch feed No. 1 used in our work at the station plant at the present time consists of the following:

Wheat 1 part
Oats 1 part

Scratch feed No. 2 consists of the following:

Sifted cracked corn (coarser part) 2 parts
Wheat 1 part
Oats 1 part

The dry mash consists of the following:

Wheat bran 3 parts
Wheat middlings 2 parts
Ground oats 2 parts
Corn meal 1 part
Cottonseed meal 1 part
Meat scrap 1 part

(Thoroughly mixed.)

In addition to this, skim milk, clabber or buttermilk should be given. If the birds cannot get green feed they should be given once a day cabbage, mangles or any other green feed.

Any questions will be cheerfully answered if you will write the department in regard to any point not understood.

MERITS OF THE RHODE ISLAND WHITES.

If You Want Meat and Eggs, Select This Breed.—One Man Reports a Hen Laying the First Day of October and Laid 173 Consecutive Days.—They are also an Ideal Fancier's Fowl.

By MRS. C. M. VERTREES, Sec'y-Treas. Rhode Island White Club of America, Cecilia, Ky.

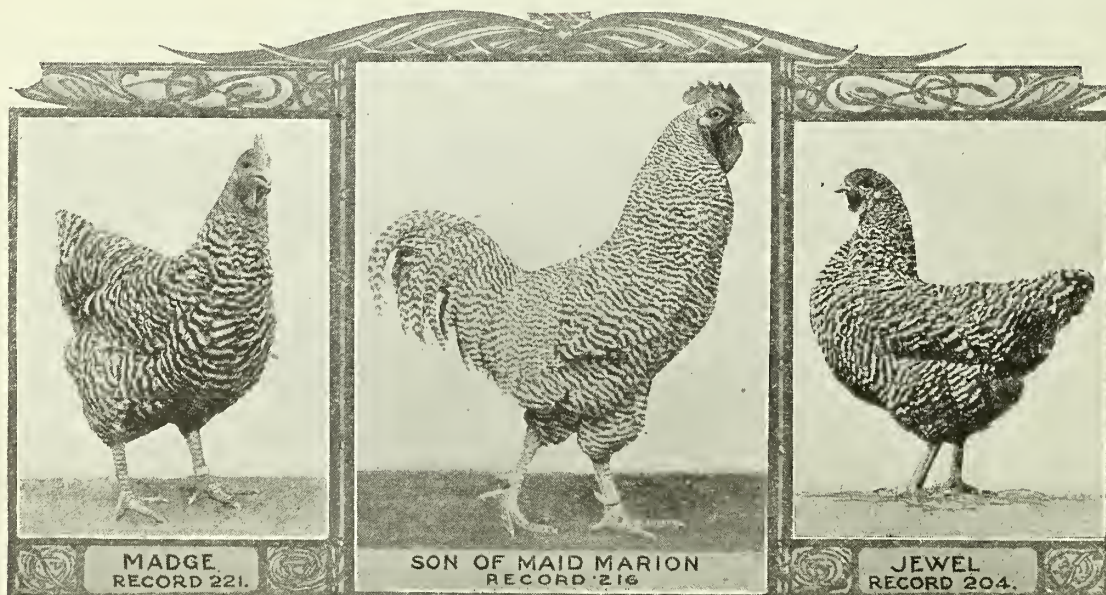


DO YOU know of all the many valuable breeds of chickens the Rhode Island White is generally conceded, by all who have tried them, to be America's best yet? Why? Because they possess the most sensible standard type and color of any breed in existence; because they will produce more meat and eggs during the year on the same amount of feed than any other breed, and are equal to the best as a fancier's bird. Meat and eggs are what the people need, and who would object to their needs being accompanied by the beautiful? Or, in the language of one of our Rhode Island White breeders, "Why raise utilities you cannot show? Why raise show birds that will not lay?"

Not long since a White Leghorn breeder who usually carried away the blues at the big shows, was asked by another if he did not find the type with which he wins poor egg producers. He replied, "Darn the eggs—I am a fancier." This is the trouble with nearly all the old standard breeds. The best layers are not the show type and consequently the business hen is sacrificed to give place to the fancy. Here is where the Rhode Island Whites have the advantage. Not so much to contend with in the way of color and the laying qualities get more consideration. And not only the laying qualities, but other qualities that make a hardy, thrifty, quick-maturing bird. Their utility qualities do not have to be disregarded in order to get either proper type or color. They are a medium well built bird for market purposes and large enough and splendidly shaped for good egg producers. Having long, broad, deep bodies, they have ample capacity for food consumption, consequently a large egg capacity. And combining as they do more good features with fewer bad ones than any other breed yet offered to the public, they are bound to excel when it comes to profit.

As a table bird they simply cannot be beaten. An elderly lady of Massachusetts expressed my sentiments well when she wrote, "The Rhode Island Whites make the nicest table bird I ever saw and the sweetest eating. I have dressed hundreds of birds, but I never dressed a prettier or ate a sweeter one. They are the smartest birds I ever raised and the largest for their age." There have been and are being many tests made of their hardiness, thriftiness, quick-maturing and egg-laying qualities and they inevitably win out.

Last year our January hatched pullets running at large fed only on dry grain began laying the first of June. This



The above trio of Bred-to-Lay Barred Plymouth Rocks is the produce of Mapleside Poultry Farm, C. F. Mittendorff, proprietor, Lincoln, Ill. Here were also produced hens with records up to 290 eggs in 364 consecutive days. Mr. Mittendorff informs us that after carefully pursuing his trap-nest record, finds fully 45 per cent of all 1914 hatch pullets on hand December 3, 1915, average 201 eggs each so far in eleven months.

year the March hatched pullets with same treatment began laying the first of August. Many reports of their achievements as layers come to this office. Will give a few. I can furnish names and addresses. If you doubt them you are at liberty to take the matter up with headquarters. One man reports a hen began laying the first day of October and deposited 173 eggs in the 173 consecutive days following. Another a pen of six pullets laid 43 eggs in seven days. Another reports a 75 per cent egg yield from twenty months old hens during the last two weeks in October. Another reports an average of 171 eggs from a flock of 82 hens and pullets in ten months, from January 1 to November 1, 1915.

At the Owensboro, Ky., poultry show, December, 1914, an exhibit of Rhode Island Whites made the best average egg yield of any variety in the show. The same was true of a class exhibited at North Yakima, Wash., January, 1915. In the National Egg-Laying Contest at Mountain Grove, Mo., closed November 1, 1915, with seventy-five pens and twenty-six varieties competing, there were only two pens of Rhode Island Whites. Both pens were listed among the ten best pens for the year. Seven of the ten were Leghorns. One of the Rhode Island White pens won the December cup and held second place to June. Then during the summer months it fell back to fourth place. During September and October it won back what it had lost, winning second place for the year. Beaten only by a pen of English White Leghorns. Thus winning over all American birds in the contest. The other pen of Rhode Island Whites won sixth place. Thus proving all we have ever claimed for them in the way of eggs—that they lay as well as the Leghorns and lay better when eggs are the highest.

Their merits are not all in their laying qualities. They make top-notch breeders. Throwing chicks like unto themselves. Chicks that hustle and grow, and it is surprising how true to color and type they come when in the hands of a careful and painstaking breeder. One man reports ten birds, hatched from a \$5 setting of eggs, were exhibited and scored by Judge Richards at Decorah, Iowa, January, 1915. They scored as follows: First cockerel, 92½; pullets, 93¾, 93½, 93, 92¾, 92¾, 92½, 91; and the other cockerel 88½, cut two for weight. What variety of fowls can beat that? At Shepherdsville, Ky., a pen of April hatched R. I. Whites exhibited in August won the sweepstakes over all varieties. At Bennett, Neb., a R. I.

White pullet won the special for highest scoring pullet in entire show. At La Cross, Wis., a R. I. White cockerel won the A. P. A. special for best male bird in the show under one year of age. At Hazelhurst, Miss., a R. I. White cock received first prize as champion of the show.

Their popularity has come from true merit and not from any fad or expensive advertising. They have won their way in every section and climate where they have been placed. The very fact that they are so popular where known is one cause of their not having been advertised more extensively. The demand for them has been



Flock of Anconas on the farm of H. Cecil Sheppard, Berea, Ohio.

growing faster than the supply and breeders find their surplus easily sold with little or no advertising. One breeder says he has never been able to supply home demand and has never run an advertisement in any paper.

In conclusion I want to say that science is playing a great part in the efforts that are being made to produce more profitable poultry, and we do not claim that there never will be a better breed produced than the Rhode Island Whites, but we are quite sure there are none existing at present. We are perfectly willing to let the other fellow have the other breeds—the Rhode Island Whites are good enough for us.

We Have Given Hundreds of Purebred Birds Absolutely Free

During the past year our friends have taken advantage of our splendid offers and have secured purebred birds absolutely free by spending a few hours of their spare time securing subscriptions from their friends and neighbors. The work is easy and you will find it no trouble to get them to subscribe to the **INDUSTRIOUS HEN**, and many will consider it a favor as they want to read a good Southern poultry paper.

READ THESE LETTERS

The Industrious Hen,
Louisville, Ky.

Dear Sirs: The pair of S. C. Rhode Island Reds reached me on the 19th all O. K. Am well pleased with them. Thanking you very much for securing such a good pair of birds, I am, Yours truly,

Winchester, Tenn., R. No. 6.
October 29, 1915.

MRS. C. D. GRAY.

The Industrious Hen,
Louisville, Ky.

Dear Sirs: I thank you for the Ancona cockerel received on last Friday, and wish to say that he is very satisfactory. Sincerely,

St. Elmo, Tenn., November 2, 1915.

JNO. HARTLEY.

FREE EGGS! FREE BIRDS!

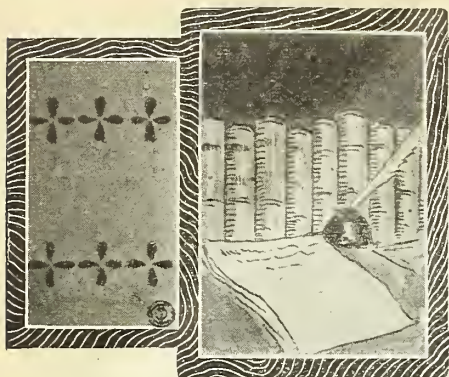
We will give you a pair, trio, pen or eggs for hatching, absolutely free. They can be selected from any breeder's yards who advertises in the columns of the **INDUSTRIOUS HEN**. You have choice of any variety. We want you to get your neighbors to subscribe for the **INDUSTRIOUS HEN**. Show them a copy of the paper and they will gladly subscribe and will thank you for suggesting it to them. OFFER: Eight Yearly Subscriptions—One Setting of Eggs (15). Twelve Yearly Subscriptions—One Male and Female (Pair). Twenty Yearly Subscriptions—One Male and Two Females (Trio). Thirty Yearly Subscriptions—One Male and Four Females (Pen). Write us for sample copies and full particulars right now and be the first in your neighborhood to get some purebred birds. The work is easy and you can get into a paying and profitable business and grow year after year.

THE INDUSTRIOUS HEN

912-13 Republic Bldg.,

Louisville, Kentucky





EDITORIAL CORRESPONDENCE

Get Your Birds Out Early by Using an Incubator.

WE HAVE all heard that the early bird always catches the worm. In order to get the early bird you must use the incubator in hatching. It is almost impossible to get the hens to hatch early because as a rule, they will not get broody until way late in the spring, and the delay means that you will not be able to get any early birds to show at the early fall fairs or to start laying early. The only way to solve this is to get a good incubator and brooder and set it and get your birds out this month and next. The early, well matured birds always win over the other birds at the early fall fairs and shows, and to get the cream of the prices, you must hatch your birds now.

In this issue you will find all of the leading incubator manufacturers well represented and we stand back of every machine advertised in the *Industrious Hen*. Write now for all the catalogues and prices and get ready to place your order and get out your early birds. Your competitor may be wise to the situation and has his machine filled now, and you will wonder next fall where he got all of those early birds. Every person who keeps poultry should use artificial methods of hatching. Keep your hens laying and let the incubator and brooder raise the chicks. Write for catalogues now to every manufacturer advertising in the *Hen*.

Twenty-five Dollar Birds Can't be Bought for Two Dollars.

SEVERAL years ago the writer was a breeder and advertiser of Buff Plymouth Rocks and it was amusing to read some of the inquiries received for prices of breeding stock. They would state that they wanted to pay about \$2.00 for a cockerel and would describe the kind of bird they wanted and when you finished reading the description you wondered if such a bird had ever been produced. To fill this description the bird would have to be perfect in every section, in fact they would expect a perfect bird and one that had never been produced, still they only wanted to pay \$2.00 for a cockerel, or cock of such quality. While I have never bred or advertised pure-bred birds for about six years I am sure there are just such cases today.

It is impossible for any breeder to sell such a bird at this price and we hope to educate the readers of the *Industrious Hen* more along this line in the future. Do not expect to get a twenty-five dollar bird for two dollars because it can not be done. They are too hard to produce and they do not come by the thousands. Another thing. If you buy a setting of eggs, and get a good hatch, say ten chicks, do not expect these ten birds to develop into high-class

show or breeding birds, for if you do you will be disappointed. If you can produce even one good show bird from one setting of eggs, you are more than well paid for your work and trouble of raising this bird to maturity, to say nothing of the price paid for the eggs, even if you paid ten or fifteen dollars for the fifteen eggs. This one bird is easily worth from twenty-five to fifty dollars, if you wanted to sell it to say nothing of what it will produce for you in your breeding yard.

As a rule, it is the novice or beginner who expects too much for his money. The reason of this is, he does not realize the value of a really good bird that compares closely with the standard. In writing an advertiser for prices of stock, tell him how much you want to spend and ask him what he can furnish you at this price, and I am sure you will get good value for your money.

Do not expect too much for your money. Learn the value of a good bird and how hard they are to produce and you will realize that you can not buy a twenty-five dollar bird for two dollars. In buying birds for foundation stock do not see how many you can buy for your money, but see how few you can get and insist on getting quality rather than quantity. I would rather have a trio of really high-class breeding birds, at fifty dollars, than to have fifty birds of poorer quality at the same price. In starting in the poultry business, it is well to bear this in mind. In starting an egg farm get a few birds at first that you know have good egg records and build your flock from this foundation. Get your foundation right and your success is sure.

Start Your Advertising Now.

YOU should start your advertising now, for the next four or five months are the best in the year for making sales of both stock and eggs. The readers of the *Industrious Hen* will pay you good prices if they only knew of you and your birds. To make a success of any business, you must advertise and let the buying public know what you have to sell. Advertising never made any man poor but has made many a man rich. Do not expect to sell your surplus birds and eggs in the show room either, for if you do you will be disappointed. It is all right to go to the show and win, but spend a conservative amount in advertising and let the public know of your winnings. Start your copy next month and let the old *Hen* scratch for you all over the South. A few dollars spent now will bring you hundreds in return.

The South today is the best poultry field in the country. There is plenty of money there and there will be a lot spent for pure-bred birds and eggs. You can get your share if you will go after it.

Kentucky Poultry Breeders Association Election.

WE ARE just in receipt of the following returns from Election Commissioner, Harris Lehman, Midway, Kentucky, giving the officers elected to serve in the Kentucky Poultry Breeders Association during the coming year. This new association will take the place of the Kentucky State Branch of the American Poultry Association. It was voted at the Chicago meeting in August 1914, that all State Branches should be changed and known as State Association. The Kentucky State Branch of the American Poultry Breeders Association will be known as the Kentucky Poultry Breeders Association in the future and was voted so, when a meeting of this body was held in Louisville at the Armory show, November 26, 1915.

The following officers will serve for the coming year: president, C. C. Loomis, St. Matthews, Ky.; 1st vice-president, W. B. Buford, Nicholasville, Ky.; 2nd vice-president, J. J. Hooper, Lexington, Ky.; secretary, J. Gaylord Blair, Louisville, Ky.; treasurer, Mrs. Walter Kenney, Paris, Ky.; executive committee, R. A. Chiles, Mt. Sterling, Ky., J. Kelly Lawrence, Shelbyville, Ky.

Attention! Southern Poultry Journal Subscribers.

IN THE December number, we published a notice announcing our recent purchase of the *Southern Poultry Journal*, formerly published at Dallas, Texas, by S. J. Hopper.

In further explanation of the deal, we wish to advise our readers that final arrangements were not closed until November 24, too late to make complete transfer of the Texas paper and subscription list in time to mail all copies to subscribers last month. We now have all the *Southern Poultry Journal* mailing list revised and added to our regular mail lists, and subscribers who did not receive December number will have their time extended accordingly.

The *Hen* will contain good articles and brief news notes every month, written by Mr. Hopper and other well known writers. It is our desire to give you a good interesting paper, one that will be helpful to every poultry raiser. The *Industrious Hen's* fourteen years of unceasing effort in the interest of the poultry industry has been supported loyally by the people, the result of which has been a steady growth in the South, until the *Hen* is now recognized as the South's leading poultry journal.

We want to get better acquainted with our new subscribers; let us hear from you. Remember the *Hen* has an expert on poultry with twenty years practical experience—if you need advice, write, our services are free to our readers.

SOUTHWESTERN NOTES AND COMMENTS

BY S. J. HOPPER, Dallas, Texas

Former Editor Southern Poultry Journal.

Texas State Poultry Association.

THE poultrymen of Texas have recently organized an association known as the Texas State Poultry Association. This association should have the co-operation of every poultry raiser in Texas, in which case a strong organization could be built up and it would increase the interest in poultry throughout the State. The annual dues will be \$1.00 per year, and this will permit every member to compete for any ribbons, specials, etc., offered by the association. R. L. Penick, of Stamford, Texas, was elected president, and Walter Burton, of Arlington, Texas, secretary. With such men behind this new association we are sure they will be able to build up a strong organization in the Lone Star State. Texas should have a good strong poultry association and we believe the breeders throughout the State will lend their aid. This is one of the best poultry States in the country.

Be on the Job Early and Late.

To be successful in any business you have to be on the job all the time. Study your business, look after the little details and do not let the other fellow beat you to the goal. Resolve now that you will make the coming year the most successful one you ever had with your birds. Get down to business and mate your birds so as to get results from them that you have never received in the past. From the time the chicks pip the eggs, give them the proper food and care that will make them develop into strong, vigorous birds. Many times show birds are not bred but are produced by careful feeding and attention from the time they are hatched until they are matured.

Oklahoma as a Poultry Producing State.

Oklahoma is one of the best poultry producing States in the Southwest. During the season of 1914 there were four million dollars' worth of poultry and eggs shipped from Enid, Okla., which leads all cities in the Southwest in production of poultry and eggs. Nine million pounds of dressed poultry, including 800,000 pounds of turkeys, 300 carloads of live chickens and 520 cars of eggs made up this four million dollar value from this one city in the year of 1914. This will give you some idea of what the poultry industry really is and means to the great Southwest. The production of chickens and eggs is very profitable and we want to see more people taking it up. There is no danger of an oversupply or of flooding the market, for the supply now does not nearly meet the demand.

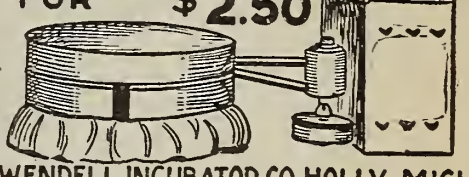
Get Your Birds Out Early.

We want to impress upon every poultry raiser in this section of the importance of hatching all the early birds they possibly can. By hatching a good number of early birds, you have them fully developed and matured for the early fall fairs and we all know that the cockerel that is just reaching standard weight and the pullet that has just developed to an age where she is ready to lay her first

egg, are the birds that always win over the undeveloped birds. There is always a great demand for early show birds and the breeder who has quality and early well matured birds can always find a buyer and secure good prices for such stock. Let every poultry raiser in this great Southwest be ready to supply this demand during next July, August and September.

Wendell's
SANITARY
POULTRY SUPPLIES
INCUBATORS, BROODERS, NON-FREEZING
FOUNTAINS, FEEDERS, OAT SPROUTERS
AND 60 MORE LABOR SAVING ARTICLES
FOR THE PRACTICAL POULTRY MAN
GET OUR BIG FREE BOOK

**THIS BROODER
FOR \$2.50**



WENDELL INCUBATOR CO. HOLLY, MICH.

Both Machines \$10
Freight Paid Only 10

Think of it! These two UNBEATABLE Wisconsin Machines—Winners in five great National Hatching Contests, both for only \$10, freight paid east of Rockies. Guaranteed 10 years and sold on 30 Days' Trial—



**130 Eggs
130 Chicks**

**MONEY BACK
IF NOT SATISFIED**

Wisconsin are made of genuine California Redwood. Incubators have double walls, double glass doors, copper tanks, self-regulating. Shipped complete with thermometers, egg tester, lamps, etc., ready to run. Biggest incubator bargain of the year. Send for our new 1916 catalog fully describing this outfit. A postal brings it by return mail. 180-Egg Incubator and Brooder, both only \$12.

WISCONSIN INCUBATOR COMPANY
Box 53 Racine, Wis.

DENSMORE SINGLE COMB WHITE LEGHORNS

FIRST PRIZE PEN AT ALLENTOWN, PA., UTILITY CLASS. Have fifteen years of improvement back of them. Remember STRAIN is more important than variety. Last season we sold over 10,000 baby chicks without a dissatisfied customer. Some report raising 95 per cent. We are doubling our incubator capacity this season and will begin hatching January 15. Let us quote you prices.

DENSMORE POULTRY FARM,

Roanoke, Virginia



REGALS AT BALTIMORE

For the past two months I have been telling you about my wonderful records at the New York State Fair and Hagerstown. This month I am privileged to tell you what some of my customers are doing. At the Great Baltimore Show, Mr. Elwood Taylor won as follows: Cocks, 1, 2, 3; Hens, 1, 2, 3; Cockerels, 1, 3; Pullets, 1, 3, 4; Pen, 1, 2. Best display of White Wyandottes and also in American class. Another customer at Guelph, Canada's greatest show, on a small entry, won 1st Cock, 2d Hen, 5th Cockerel, 1st and 4th Pullets. Another customer won second on his REGAL Cockerel at the Palace in a class of fifty-seven Cockerels. These are only a sample of the reports I am continually receiving, many of which I am not at liberty to mention.

You Must Have the Real Strain to Win

As layers my birds are just as famous and next month I will give Mr. M. K. Boyer's affidavit to the effect that ten REGAL pullets laid for him 1,920 eggs in one year.

REGAL WHITE WYANDOTTES stand today as the greatest known combination of beauty and utility.

3000—Cocks, Hens, Cockerels and Pullets For Sale—3000

SPECIAL—500 beautiful exhibition cockerels and pullets ready now to win the blue ribbon for you. 100 well matured cockerels from my heavy laying Dorcas line, \$8.00, \$10.00, \$15.00, \$20.00 and \$25.00 each. Dorcas pullets \$3.00, \$4.00 and \$5.00 each. Breeding pens (male and four females), \$20.00, \$25.00, \$35.00 and \$50.00. Stay-white, vigorous, utility cockerels, \$3.00 and \$5.00 each. Send one dime for the REGAL WHITE WYANDOTTE BOOK, telling all about the REGAL Strain. **FREE**—My catalogue and mating list is free if you will send me your name.

JOHN S. MARTIN,

BOX 911

PORT DOVER, CANADA



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Poultry a Great Factor During Farmers' Week's Meeting.

A man very much interested in chickens was heard the other day to express uneasiness for fear the crop reports might show the wheat crop of this year to be of greater value than the poultry crop. Few of us realize how great a factor is poultry in the success of the average farm. The bulk of the poultry supply does not come from poultry farms, but from ordinary farms where poultry is regarded as a by-product.

Kentucky has every year one of the best poultry shows in the country. The show this year will be held the week of January 4, at the Agricultural College, at Lexington. A very handsome premium list has been provided, and on January 5 the poultry raisers will get together for a big convention. A good time is promised to all who attend. All is free.—Farmer's Home Journal.

How the Incubator Scores Over the Hen.

What the incubator will do, and which cannot be done by the hens, may be stated as follows: It can be operated at any period when hens are not inclined to sit. Several hundred chicks can be hatched at one time. The work can be done in winter, when there is little other labor required on the farm. It gets a large number of early chicks to market, which bring the highest prices. It may be operated with little loss of time. It is distinctly a substitute for the hen at a season of the year when hens are not disposed to be broody, and thus enables one to hatch chicks by the easiest and most available method.—Poultry Record.

Missouri Experiment Station Enlarges Its Scope.

The Missouri State Poultry Experiment Station at Mountain Grove, in extending the scope of its work in the prevention and cure of poultry diseases, has secured the services of Prof. G. D. Horton as bacteriologist. Prof. Horton graduated from the Connecticut Agricultural College at Storrs with the degree of B. S. in 1911. He graduated from Yale University with the degree of M. S. in 1913, and won the government scholarship for poultry work done at the experiment station. Since then he has been instructor at the Oregon Agricultural College.—Poultry Success.

Forcing the Chicks.

Sometimes we hear of persons feeding their chicks all they will eat and they will not grow. Sometimes this is on account of lice, but not always. Chicks get tired of one kind of feed and although they may have all of it they want they may not thrive. Some-

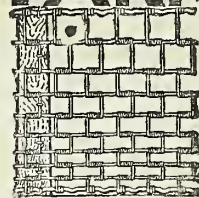
times we have kept wheat before the chicks in hoppers, and yet would eat greedily of some other kind of feed. When we have been forcing chicks we have sometimes fed a mash after they had all the wheat they would eat, and have found that they would still eat some corn. In trying to mature chicks quickly or to add flesh rapidly these changes of feed will help materially.—Poultry Record.

Champion Egg-Layer of the World.

Lady Eglantine, a hen with a record of 314 eggs in 365 days, owned by A. A. Christian of Philadelphia, and valued at \$100,000 left Philadelphia last Tuesday morning in a parlor car section to be exhibited at the Grand Central Palace

Poultry Show from December 7 to 11. She spent her nights in a hotel. Special policemen guarded her. A new motor car took her to the show every day.—Farmer's Home Journal.

FARM FENCE



13½ CENTS A ROD for a 26-inch high fence, 20¢ c. a rod for 47-in. 81 styles Farm, Poultry and Lawn Fences. Also Barbed Wire. **FACTORY TO USER DIRECT.** Sold on 30 days **FREE TRIAL.** Write for free catalog now. **INTERLOCKING FENCE CO** Box 136 **MORTON, ILLS.**

FREE BOOK and NEW LOW PRICES READY

WRITE POSTAL NOW

Brown's Basic Open-Hearth Wire Fence lasts five times as long as chicken netting yet costs half as much. Big No. 10 top and bottom wires. Use half as many posts. Bottom wires 1 inch apart.

Direct From Factory—Freight Prepaid

150 Styles—Rock Bottom Prices

I have sold more than 25 million rods of Brown Fence to my 400,000 customers. My new free book tells why—quotes prices—saves you big money. Sample to test, also free.

The Brown Fence & Wire Co., Dept. 37 Cleveland, O.

BROWN POULTRY FENCE

Ferris Leghorns—200 Egg Strain

One customer's flock averaged 102 eggs in six winter months, another 181 eggs in ten months, another 199 eggs in twelve months. You can do as well. Eggs, chicks, breeding stock from hens with records up to 264 eggs. Prize winners at largest shows. Prompt shipment, prices low, quality guaranteed. White Leghorns are best for eggs. We raise thousands. Free catalog and price list gives particulars. Write for it now. Sixteen years square dealing—thousands of pleased customers.

FERRIS LEGHORN FARM,

922 Union, Grand Rapids, Mich.



"MAPLESIDE" BRED-TO-LAY BARRED PLYMOUTH ROCKS

Acknowledge no Superiors as Layers

Fully forty-five per cent of all 1914 hatch pullets on hand December 31, 1915, averaged so far 201 eggs in eleven months. Superb breeders, pedigreed stock. Day-old chicks and eggs for hatching. Circular of facts free.

O. F. MITTENDORFF, Box M LINCOLN, ILLINOIS

Now is the time to plan for Spring Hatches



Already you are counting the days till you can start hatching. But active, able-to-live, disease-proof chicks, the only kind it pays to hatch, must be planned for. Insure health and vigor to breeding stock so they can produce lots of fertile eggs, and insure big hatches of husky chicks by giving your breeders

Pratts Poultry Regulator.

It imparts vitality to your whole flock, is strengthening and invigorating. Hens lay more eggs, secures greater fertility, better hatches, stronger chicks.

25 lb. pail, \$2.50. Generous packages at \$1.00, 50c and 25c.

Also, have a good clean-up before the hatching season. To destroy lice and mites, to prevent disease and contagion, use

Pratts Poultry Disinfectant, \$1.00 per gallon, 60c and 35c.

Pratts Powdered Lice Killer, 50c and 25c.

The Pratt label means goods guaranteed to satisfy or money back.

Therefore, refuse substitutes. Insist on Pratts.

421

PRATT FOOD COMPANY Philadelphia, Chicago, Toronto

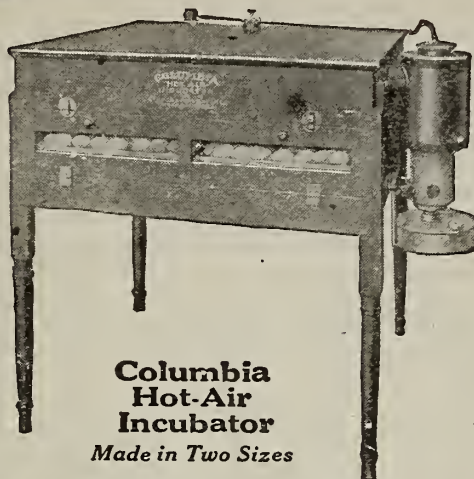
Cyphers Co's Incubators

3 Styles-8 Sizes-\$12 To \$40



**Superior
Hot-Water
Incubator**
Made in Two Sizes

A Self-Regulating, Self-Ventilating, Hot-Water Hatcher that has no equal
Prices: 65 Eggs, \$12.00; 130 Eggs, \$16.00



**Columbia
Hot-Air
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Made in Two Sizes

Best incubator on the market at the price
Guaranteed to give satisfaction
Prices: 140 Eggs, \$16.00; 250 Eggs, \$22.00



**Standard Cyphers
Incubator**
Made in Four Sizes

Has no equal for hatching. The best incubator we know how to build. Guaranteed to you personally
Prices: 70 Eggs, \$15.00; 144 Eggs, \$23.00; 244 Eggs, \$34.00; 390 Eggs, \$40.00

Start Your Hatches Early

EARLY-hatched chicks are worth more than late ones. Whether you wish to sell day-old chicks, raise broilers or roasters, or produce eggs, your **profits** for the year are going to depend largely on getting your chicks out early in the season—early enough to get into market ahead of your competitors—early enough for the pullets to develop and begin laying in the fall and lay steadily through the winter—when prices are highest and profits largest.

You Can Depend on Cyphers-Built Incubators

They are indispensable for early hatching. No matter how early you start, *you can rely on Cyphers-Built Incubators*. Are equipped to furnish ample heat in the coldest weather. They are Self-Regulating, Self-Ventilating, Non-Moisture—in fact, are practically **AUTOMATIC**; and they hatch the maximum number of chicks from the eggs set—**strong, sturdy, healthy chicks that live and grow.**

Take No Chances

with inferior equipment. Cyphers-built incubators are standard hatchers the world over. Whatever style of incubator you prefer—whether hot-air or hot-water heated—there is a Cyphers-built machine in a size to suit your needs. Our facilities are unequalled. Cyphers Incubators are backed by 20 years' experience and every machine is **guaranteed** to give satisfaction—**guaranteed to you personally.**

Mammoth Incubators

Cyphers Semi-Mammoths for 1,200 to 1,600 eggs, and Cyphers Mammoths for 4,000 eggs and up, are built in sections on the same principle and with the same high-grade materials that made the Standard Cyphers famous. Illustrated Circular, free.

"Cyphers Company Service"

Whatever your poultry problems may be, our "Service Department" will give you the advice or information

you need, in a *personal letter*—free of cost to you. **Don't hesitate to write us.** If you do not now have our Library of Free Booklets and Bulletins, covering all the difficult subjects of poultry work, write and learn how you can get this practical, up-to-date poultry literature—**absolutely free of cost.**



This Big 1916 Year-Book Free

This valuable book is full of practical information to all poultry keepers. Contains description and prices of our complete line of Incubators, Brooders, Foods, Laboratory Products and Poultry Supplies. Describes "Cyphers Service," including our Complete Library of Books and Bulletins, and tells how you can get them **without cost.**

Write today for YOUR Free Copy of this big, complete, illustrated Guide for Poultry Raisers. 172 pages, 7½x10 inches. **Not a dull page in it.**



Cyphers Balanced-Ration Poultry Foods

A Complete Line of Special-Purpose Poultry Foods, composed of nothing but pure, sweet, wholesome grains. Contain no grit, shell, dirt or waste matter of any sort. No better poultry foods obtainable—cheaper than you could prepare the same mixtures at home. Are properly milled, uniformly mixed by machinery and sold under the **guarantee of satisfaction** that goes with all Cyphers Company Products. Thousands of poultry keepers depend entirely on Cyphers Poultry Foods—**would not try to keep fowls without them.** Write for current prices and for our valuable 32-page book, "Poultry Foods and Feeding"—**free on request.**

All prices herewith apply east of Rocky Mountains, north of Texas and south of the Canadian line. In these high freight territories prices are slightly higher.

CYPHERS INCUBATOR CO., Dept. 13 Home Office and Factory: **Buffalo, N.Y.**

BRANCH STORES AND WAREHOUSES:
New York, N.Y. 41 Barclay Street Boston, Mass. 12-14 Canal St. Chicago, Ill. 1421 W. 37th St. Kansas City, Mo. 19th and Campbell Sts. Dallas, Tex. 316 N. Preston St. Oakland, Cal. 2127 Broadway



SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

WITH greetings for the new year. The year 1916 lies out before you. It's up to you to do something. Your success depends on you. If you are alive to every opportunity that comes within your grasp; if you push your business with earnestness and enthusiasm you will, after the year has passed, be able to look back and feel proud of your achievements and progress. On the other hand if you give up now you are doomed to failure and you had just as well "close shop" now. Doing anything in a half-hearted manner never brought success, neither does it deserve it. Spur up! Do something during the year 1916.

Have you mated up your breeding pens yet? If not, now is a good time. Let health, vigor and vitality be your "guiding star" in the pursuance of this very important phase of your poultry work. No matter how well marked a bird is, if it hasn't that constitutional vigor so necessary in the make-up of a heavy layer, then do not use her. To do so is to lay the foundation for future trouble. Remember that the male bird is half the pen and choose well this half. If you haven't one that you are perfectly sure will fill your bill, then by all means invest a few dollars in a good one from some other breeder.

This is the month for bringing the incubator and brooder out of the storage rooms and getting them into shape for operation. Be sure to disinfect them well before starting to use them. And too, the breeding equipment may need overhauling. A friend of mine started his Mammoth incubator last year and not until the day the chicks began to hatch, did he even take a look at his hot-water brooding system. Then he went into the brooder house to start the fire and to his disappointment he found that he had left some water in the heat controlling apparatus on the stove and that the cold weather had caused the water to freeze and burst the pipe. You can imagine he had some trouble caring for hundreds of little chicks until he could wire and get a Coal-Burning Colony Brooder. Never wait until you are ready to begin brooding the chicks to look the brooder over.

Do not attempt to hatch chicks in January or February unless you have the right kind of brooding equipment. In our opinion the Colony Brooders now on the market are by far the most practical brooding device ever put on the market. We all know that it is much easier to hatch chickens than it is to raise them after they are hatched, and this is especially true of chicks hatched early in the spring or winter when the weather is so cold and changeable.

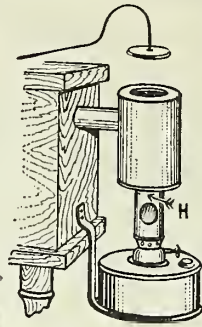
We cannot expect good hatches unless we have strong fertile eggs, and them well cared for from the time they are laid until they are placed in the machine. The following rules, if carefully ob-

served will do a lot toward increasing your hatching percentages:

First, good strong breeding stock; second, properly fed and housed; third, gather eggs often in cold weather to prevent chilling, in hot weather to prevent them becoming overheated; fourth, keep eggs in moderate temperature, and turn them regularly while holding them for incubation; fifth, select only medium sized, smooth, hard shelled, clean, fresh eggs; sixth, carefully follow the instructions sent out by the manufacturer of the incubator; seventh, do not buy or even accept as a gift, a cheap or shoddy incubator.

The poultry shows this winter have had large entries and good attendance. The breeders are full of hope and are buying birds at good prices. The indications now are that there will be an unusual demand next spring for breeding birds, eggs for hatching and baby chicks.

We are in receipt of a letter from a friend who is now up in Massachusetts in school. Among other things he says that eggs are sixty-seven cents per dozen up there and that everything is frozen up. Ah! the price of eggs sounds good, but that cold weather doesn't. Everything frozen up does not



LOOK!

See that disc way up above tank, temperature 106 and going up!! Eggs drying, germs roasted!! Happens daytime, midnight or any time at all, but *could not happen* with Universal Heat Check "H" attached. (see cut). Simple, effective and durable. \$1.00 each.

Makes watching the thermostat unnecessary. No fretting nor stewing, besides valuable time saved for other work. Prevents cold eggs. Prevents overheating. Works automatically both ways. On the job every minute, from first day of incubation till last chick is out. Lessens fire risk by controlling high heat which also helps to retain moisture. We send it upon your order. Attach it yourself.

Guaranteed to be just as represented. Parcel Post, or ask for further description. Universal Heat Check
Agency 91 Buffalo, N. Y.

WHITE ROCKS OF QUALITY

My birds have won at the largest shows. Beautiful, hardy, free range cockerels and pullets, yearly cocks and hens. If interested in White Plymouth Rocks, write the

PATTERSON FARM,
FITZGERALD, GEORGIA

The PRAIRIE STATE 1916 CATALOG

Published by
Prairie State Incubator Co.
Homer City, Pa.

(39)

Get This FREE Book—Sure

Here is one Incubator Catalog you can't afford to overlook. No matter how many others you write for, be sure to get this one, too. It will show you why some incubators spoil half the eggs or more—why others don't raise strong, healthy chicks. It also explains just why the famous

PRAIRIE STATE INCUBATORS

"Hatch the Most Chicks That Live"

Tells all about the wonderful moistened Sand Tray—the Eddy Current Ventilating System—and other exclusive features which have made Prairie State machines famous the world over—

Leaders for 35 Years—A postal brings you this big book, free and postpaid. You will be glad you sent for it. Prairie State Incubators and Brooders are used and endorsed by Poultry Experts and Leading Agricultural Colleges the world over.

PRAIRIE STATE INCUBATOR CO. 143 Main St., Homer City, Pa.

Write for Free Catalog

Write for Free Catalog



S. C. Buff and White Leghorns White and Buff Rocks, Blue Andalusians and Lakenfelders

We are offering special bargains in both old and young stock, as we need the room. Look up our show record and winnings at KENTUCKY STATE FAIR, GEORGIA-FLORIDA FAIR and other shows. We have quality at right prices. Write us your wants in show, breeding or utility birds.

LOMBARDY HEIGHTS POULTRY FARM
JNO. O. REID, Prop., Box 258 STANFORD, KY.

LOYD'S PRIZE WINNING PARTRIDGE PLYMOUTH ROCKS

Win at the Panama Exposition at San Francisco, on ten entries, 2 cock, 1-2-5 hens, 7-8 cockerel, 2-3-6 pullets. Nine birds placed out of the ten exhibited. (No pens shown.) We have a fine lot of breeding and show stock for sale at right prices. Eggs and baby chicks in season.

C. J. LOYD & SON

Farm, R. R. No. 4

Greensburg, Ind.

Black Minorca Sensation at Hagerstown

Winning First and Special Cock, First Hen, Second and Fourth Cockerels, First Old Pen, in the best and largest class of S. C. Black Minorcas ever shown there. A few good show birds left.

R. H. ANDERSON

Lynchburg

Virginia

appeal to we of the "sunny South." Eggs are today selling at from 33 to 50 cents per dozen here in the South where the hens have free range nearly every day in the year with perfect propriety, and enjoy the fresh air, sunshine and abundant greens. Dr. Prince T. Woods please take notice!

The demand for turkeys has been unusual in this part of the country for the last few weeks, and the price altogether satisfactory. There should be more attention paid turkey raising by the farmers of the South. One turkey hen will, if given free range usually succeed in bringing at least 6 or 8 little ones to maturity, and this at little or no cost to the farmer. The profits from turkey raising is practically all clear and we of the South should give it more attention.

The Asheville, N. C. Poultry Show, held there December 14-17, 1915 was a grand success and already plans are under way to hold an even larger show next year. There were large entries in nearly all of the popular breeds, and the quality was particularly noticeable. Mr. F. J. Marshall, of College Park, Ga. judged the show.

The State Branch of the R. I. Red, (S. C.) met with this show and a beautiful class of Reds were there. A banquet was given by the Red breeders and a grand time was reported. Asheville hopes to have the next meeting of the A. P. A. and we for one would be glad to see the association choose Asheville as their meeting place for 1916.

We were pleased to learn that The Industrious Hen has added The Southern Poultry Journal, of Dallas, Texas to her list and we hasten to welcome Mr. Hopper to our field. We are glad to have you with us Mr. Hopper and may your stay be long and profitable, both to yourself and the host of readers of this paper.

HALLERS

Headquarters for Poultry Supplies

Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.

SPECIAL SALE

On account of making some changes in business I am closing out my entire flock of Partridge Wyandottes, including some direct from the Sheffield Farms. First come, first served. Prices very low considering quality.

HARRY McAfee,

LAWRENCEBURG, KENTUCKY

SALES AGENTS WANTED

WE want a representative in every town, village and rural community, to sell Cyphers Company's Popular-Priced Incubators, Brooders, Hovers, Balanced-Ration Poultry Foods, Remedies, and General Poultry Supplies.

A splendid opportunity for men and women to make a good income in their spare time. Some of our agents make from \$200 to \$350 in the Three Spring Months and devote only their spare time to the work. **No Capital Required.** NOW is the time to get started. Write today for full particulars.

CYPHERS INCUBATOR COMPANY, Factory and Home Office, **Buffalo, N. Y.**

Branches: New York, N. Y. Boston, Mass. Chicago, Ill. Kansas City, Mo. Dallas, Tex. Oakland, Cal.

Healthy Chickens, More Eggs, with



harder shells and increases the laying power of the hens and helps to beautify their plumage.

KENTY GRIT is ground just right, being hard, sharp, cubical and is by far the most economical and result-producing grit on the market.

PRICE LIST

KENTY GRIT is packed in 100-lb. sacks and is guaranteed to be absolutely free from dirt.

	Per Cwt.
100-lb. bag, F. O. B.	\$0.50
500 lbs. packed in 100-lb. bags, F. O. B.40
1000 lbs. packed in 100-lb. bags, F. O. B.35
2000 lbs. packed in 100-lb. bags, F. O. B.30

Samples and Booklet Sent Free
Quotations on carload lots on request.
Remit by Postoffice or Express Money Order.

KENTUCKY LITHOGRAPH STONE COMPANY (Inc.)
General Offices, 710 W. Main Street
Louisville, Kentucky

Queen Incubators Built to Hatch Without Trouble

The Queen is built for results—under any and all conditions. We make the assertion that it will produce, year in and year out, better hatches of stronger chicks, with less attention, than any other machine on the market—at any price.

Most any machine will hatch under ideal conditions, but if you are in the poultry business, you can't always have ideal conditions, and you must be protected against the unexpected, such as a sudden drop in temperature. The Queen Regulator will take care of a sudden change of seventy degrees.

Richard Wayte, Gary, Ind., writes: "I have been in the poultry business and used both hot water and hot air machines. I have made a very thorough comparison of 12 different machines, and the Queen is the most thoroughly constructed of all."

Mrs. C. C. Blake, Pocatello, Ida., just starting in the poultry business, writes: "An old poultryman told me I had made a wise choice when I selected the Queen. He has 14 different makes of machines at his large poultry plant, both hot water and hot air. He finds hot water machines far superior to the hot air, and the best hot water machine is the Queen."

Self-Supporting
Egg Tray and
Deep Nursery



The Queen is not a cheap machine, but it is cheap for the quality. You can sleep when you have a Queen, as it never sleeps on the job.

Ask for
our free
Catalog

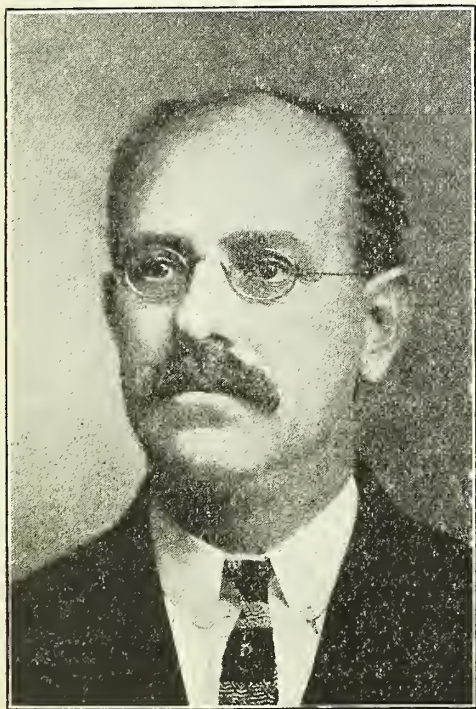
QUEEN INCUBATOR COMPANY
159 Bryan Avenue
Lincoln, Nebraska

Gulf Coast DEPARTMENT

By H. F. REILS, Tampa, Fla.

IT IS with no little degree of pleasure that I am assuming the duties of conducting this department for the Industrious Hen, inasmuch as I have always felt very close to this paper because of my acquaintance with, and friendship for its first promoters, who struggled along with the publication in times when business was dull and money scarce, and now that I have seen the Hen take her place among the shining light in the poultry field, I feel that it is a piece of deserving recognition.

The breeders of the South owe it to themselves to stand by this publication with moral and financial support in a greater measure than has been accorded



H. F. REILS, Tampa, Fla.

their home papers heretofore. I say this without apology and out of the school of experience. We are too prone to cast afar for what we already have at our very doors, and since the Hen has measured up to the highest standard, she is entitled to that full measure of support that will enable her to become a still greater power in the interest of the industry in this section, as well as of every individual breeder.

I realize that in the Gulf Coast section, we have a practically virgin territory to exploit and foster. It is one of the best sections of the entire country for the profitable production of both market and fancy poultry. It has a climate that will commend itself to every experienced or far-sighted individual, and the day is not far distant when we will see it teeming with poultry plants, because of the advantages thus offered, supplemented with good markets made possible through the recognition of this territory as a winter resort beyond compare.

One of the marvels of the day is the growth of the industry in the State of Florida. From an insignificant nothing only a few years ago, the spread of the "hen fever" has been such that we now find flocks of standard-bred birds in every county of the State, sometimes very remote from the centers of transportation but always birds in their original purity. This condition is the result of emigration to this favored clime. With new settlers coming in every day of the year, not in one's or two's, but in bunches that are being scattered throughout the State, we find progressives in every walk of life, bringing with them the more modern methods of the West, backed by the experience so necessary to the fullest development of the poultry industry. This is one of the reasons why Florida is making such strides and to it is due the remarkable growth of the business during the last three years.

All through the Gulf States can be grown much of the feedstuff for our birds, not alone in greens but also in grains, and where this custom prevails, a great deal of expense of feeding is cut in two. This, however, is not absolutely necessary to success, however it may be desired, for it has been shown that money has and can be made out of poultry here, where every grain of feed had to be bought. Here is where science of feeding comes in to the assistance of the poultryman, for no matter what the cost of the feed, if through it we can produce the equivalent in eggs, we need not bother about anything else, and one

man here, Mr. Goodrich, of Green Cove Springs has shown conclusively that he can produce eggs at a cost of 8¼ cents per dozen on commercial feed, and while this is an exceptionally low figure, it leaves quite a margin between the profitable limits of feeding, and holds out promises of success to every man who will bring to the business good common sense, and business judgment, the same as is demanded in every other line to command success.

These are matters that will be taken up from time to time, and the experience of others given to show just what may be accomplished. In this particular section is a large undeveloped field, a demand for eggs and stock that is worth watching and catering to. Readers of this publication who wish to branch out and control this business should not delay. The advertising pages of the Hen should offer an attractive medium for reaching it, inasmuch as a special effort will be made to put the Hen into the hands of every breeder in this territory. That this demand exists and is

Cabbage Plants

53 Acres of Genuine FROST PROOF Cabbage Plants.

Our cabbage plants this season are the finest we have ever grown, and if you want good strong plants that will be sure to make heads, send us your orders. We ship promptly, guarantee full count, and safe delivery. Varieties; Early Jersey Wakefield, Chas. Wakefield Succession, Flat Dutch, Early Drumhead. Price: 500 for \$1.00; 1000 for \$1.80 postpaid and insured. By express 1000 for \$1.25; per 1000 in lots of 5000 for \$1.00; 10,000 for 90c; 15,000 for 85c; 20,000 for 75c. per 1000.

Beet and onion plants the same price. Big Boston lettuce plants \$1.50 per 1000. Nancy Hall and Porto Rico potato plants ready April 1st. Write for our illustrated catalogue, which gives a full description of all our plants, and tells how to grow them.

PIEDMONT
PLANT CO.

ALBANY, GA., and
GREENVILLE, S. C.



Incubators
Incubator Stoves
Brooders
Fountains
Poultry Remedies
Dog Remedies
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Feed Hoppers

Feed Supplies and Parcel Post Boxes
FOR POULTRY, PETS AND GARDEN
Complete Stock Write for Catalogue

HERMAN STRAUS & SONS CO.,
LOUISVILLE, KENTUCKY

Wire Netting
Automatic Feeders
Egg Cartons
Poultry Cartons
Dressed Poultry
Cartons
Baby Chick Cartons
Vegetable Cartons
Garden Seed

Blue Grass Scratch Feed Will Make Your Hens Lay

If your hens are not laying now it is your own fault. Your hens are now through their moult and should be laying. BLUE GRASS SCRATCH FEED is made from selected grains. If you supply her with the right kind of food for an egg maker, you will get the eggs—which means greater profits.

BLUE GRASS SCRATCH FEED

when fed in deep litter so as to make the hens exercise, is bound to produce eggs. Give it a trial. We will be glad to send you samples and prices. Also let us quote you prices on CORN, OATS, WHEAT, MILLFEED or MIXED FEED of any kind from 1,000 pounds to carload lots. Quality and service guaranteed.

HENRY FREUCHTENICHT

Hancock and Franklin Streets

LOUISVILLE, KY.

DIXIE CAPTURES THE NORTH!

Dixie's Quality Strain White Wyandottes make two more BIG WINS. FIRST OLD PEN, CHICAGO COLISEUM. At ST. LOUIS COLISEUM, 1-2 pen, 1-2-3 hen, 2-3 cock, 3-4 pullet, 4 cockerel. Winning more points on DISPLAY than any three competitors combined. This makes six CLEAN VICTORIES at six different shows, under SIX different JUDGES. Proving conclusively the SUPERIORITY of Dixie's Quality Strain SOUTHERN GROWN, Bred-to-Lay and Win White Wyandottes. Write for 16-page catalogue giving cuts of winners and farm. Pens that will produce the 1916 winners now mated. EGGS \$2.00 to \$10.00 per fifteen. Fertility guaranteed. A few breeders left.

CARRINGTON JONES,

BOX 145

BUNTYN, TENNESSEE

increasing is evident to me, for scarcely a day passes but what I receive calls for information as to where this or that breed may be obtained, because Florida has no poultry publication and the information is not at hand.

One of the best indications of the healthful tone of the business here is the number of shows that are being held. They are not fancier's shows as we are used to the term, but shows that are being held in connection with State Fairs and county exhibitions, and I consider these the most prolific sources for the dissemination of information and the spread of the gospel of "more and better poultry." It is from the farms of the country that must come the great supply sources for market eggs, and the day is not far distant when we will see upon every plantation beautiful flocks of thoroughbred birds, and community co-operation, not alone in the disposition of the produce, but also in the purchase of everything necessary for the well-conducted poultry farm.

One of the really big shows of the season will be the one that will be held under the auspices of the South Florida Fair and Gasparilla Carnival association of Tampa, Florida. This will be held during the week commencing February 4 and while a little late, is going to be one of the best shows from the exhibitors standpoint, because of the number of people attending, conservatively estimated at over 200,000. This is an annual fete week here like Mardi Gras in New Orleans, and on a scale commensurate with the progressive spirit of the fastest growing town in Florida and the country. The pay-roll of the Tampa cigar factories weekly amount to over \$300,000 and this is put in circulation to the last penny every Saturday night in a town of 55,000 inhabitants by a people who know only love of life and how to spend—the Cuban. They are lovers of poultry, furnish the best customers for market supply, and withal love the beautiful in feathers. The exhibitor who sends his birds here will make no mistake.

Mr. Henry C. Dippel, of Indianapolis will be one of the judges, and he is well and favorably known to the people of the country. I will personally superintend this exhibition and can safely promise prospective exhibitors the best of care for their stock from the start to the finish of the show and their return in the best possible condition.

The premium list is now in the hands of the printers and will be ready in a few days. Anyone interested may have a copy by addressing H. F. Reils, Supt. poultry department, South Florida Fair, Tampa, Florida.

During the show there will be an enthusiastic meeting of the State Poultry Association, and likewise the organization of a local association for the promotion of the industry here. Taken all in all, this will be a good opportunity to get your name before the prospective customers from this section, a trade that will be well worth catering to.

WE CHALLENGE



any person in the world to hatch one egg the Magic Egg Tester registers unhatchable before incubation. 2d. We challenge anyone to produce evidence of one 200 egg layer that was not hatched from an egg rated good by the Magic Egg Tester. It is a sure loss to take a chance on weak eggs. **Unimpeachable testimonials.** You save and make money when the Magic Egg Tester picks out the eggs for hatching. Don't use weak eggs. It kills the profits, and nearly kills you. This device also helps to regulate moisture. Price \$2.00 and no expense to use. One year's trial given. Money back if not satisfied. Orders filled by Insured Parcel Post. Sold by Poultry Supply dealers throughout the country, or by the Magic Egg Tester Works. Dept. G Buffalo, N. Y., also Bridgeburg, Canada

Rose and S. C. Rhode Island Reds—At the recent poultry show held at the Armory, Louisville, November 22-27, we won first old and fourth young pen on Single Combs and first Rose Comb pullet on four entries. At the Kentucky State Fair, 1915, we won eight regular prizes and color specials. If you want quality at reasonable prices, write us. We have a choice lot of cocks and cockerels for sale. Also fine bunch of utility pullets ready to lay, at \$2.00 each. Write for catalogue and mating list.

DIXIE RED FARM,

R. R. No. 22

Louisville, Ky.

The Industrious Hen will be represented at this show and her advertisers will doubtless recognize this fact in the inquiries that will result.

I trust that our readers in my section will make free use of my department in the discussion of all topics that have at heart the betterment of the industry, and my co-operation and that of this publication will never be wanting for that end. With cordial wishes to all, I am, Fraternally yours,

H. F. REILS.

ILLUSTRATIONS
of POULTRY
LIVE STOCK and
FARM SCENES
for CATALOGS
BOOKLETS and
ADVERTISING

QUALITY
and
SERVICE
CONSIDERED
OUR PRICES
ARE BELOW
PAR



"A CHICKEN"

by Tinsley-Mayer Engraving Co.
Illustrators & Engravers
4th & Green Sts. Louisville, Ky.

Mrs. Vertrees Winnings at Armory Show.

Winnings made by Mrs. C. M. Vertrees at the big Armory Show, Louisville, Ky., November 22-27, on her Rhode Island Whites: First, second, third cock; first, second, third, fourth cockerel; third, fourth, fifth hen; second, fourth pullet; first old pen and first young pen. Silver cup for best display. Club specials for best shaped cock, best shaped cockerel and best colored cock. State cup for best display among Kentucky exhibitors. Silver cup for best pen. One dollar for fifth hen. Silver vanity for lady cooping most birds in the entire show. Five dollar plant for largest

winning of any lady in the show. Two shipping coops for fourth cockerel. "Kentucko" fountain for fourth pullet and one year's subscription to Industrious Hen for fourth hen.

Gatlin Farms.

Gatlin Farms, Murray, Ky., breeders of Black Orpingtons, start their advertisement again in this issue. It appears on the inside front cover. If you are interested in this breed, write them for circular and mating list. They are old advertisers in this paper, and we can recommend them to our readers.



Planet Jr Wheel Hoe

does most of the work in a kitchen garden

Why work hard with old-fashioned tools? This inexpensive Planet Jr implement makes gardening quick, easy, pleasant. Gets bigger, better crops, and cuts down your living expenses; also fine for plowing up chicken-yards.

No. 16 Planet Jr Single Wheel Hoe, Cultivator, Rake and Plow is the highest type of single wheel hoe made. Light and durable—can be used by man, woman or boy. Indestructible steel frame. High, easy-running steel wheel. Costs little; lasts a lifetime. 24 other styles of wheel hoes—various prices.

New 72-page Catalog (184 illustrations) free!

Describes over 70 tools, including 12 entirely new ones, and improvements to our Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard, Bee and Pivot-wheel Riding Cultivators. Write for it today!

S L Allen & Co Box 1208U Philadelphia

Whether you cultivate the smallest door-yard "patch" or the largest market-garden you can't afford to work without a Planet Jr.



TURKEY & WATER FOWL DEPARTMENT

This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

OUR Farmer's Bulletin, published at Washington, D. C. gives a great deal of useful information on turkey culture—of every known variety; their history and management by experienced breeders. An agent collecting information for one of these bulletins came to my home last year and got all the practical information I could give him on the habits of the Bronze turkey, how I manage them from shell to show room, how to mate for best results, feed and care of the young, extermination of lice, penning and keeping them gentle, and a great deal of information that is very profitable to one who is just beginning to raise turkeys, they are free to all who care to get them. There are other breeders also who have given their plans in these bulletins, we all can be benefitted by exchanging ideas.

What we want to know most about is



White Orpington Pullet. Bred and owned by Ridge Spring Poultry Farm, Rineyville, Ky.

the one breed that is most popular, that is our native American Bronze, once in its wild forest nature, but has been so domesticated that they are now on almost every farm in our country—but few satisfied with any but the largest thoroughbreds, even though they are sold on the market, for our country people have been educated up to the fact that the largest is as easy to raise as the smaller ones, in fact are less expense to the owner, for the Bronze has that wild nature to wander far out on the field and find the greater part and I will say almost all of his food, and when time for marketing they are regular mortgage lifters, and have only gleaned the fields of insects and waste grain, or forest acorns and beech nuts.

We do not hear the growl and grumble now from the up-to-date farmer that

he would as soon raise a hundred hogs as a hundred turkeys, like our forefathers used to do, but now turkeys are worth from 15 to 20 cents per pound and hogs 6 and 7 cents. Can't any sensible person see which is the most profitable. For breeders I want all the size I can get, to have typical shape, both in male and female, I want well rounded, deep bodies, large head and foot, showing strong vitality. The tom is more than half the flock, consequently we must have a vigorous male. One male may be mated to as many as ten females with good results of hatching.

For market only, one cares little for feathers, what color, all he wants is size, but we seldom find a breeder for market who will keep up his stock to this size we all desire—often I have seen farmer's wives sell all of her largest birds and keep the smaller ones to breed from, because the larger ones bring more money, but we should always reserve our best for breeders and sell the inferior ones to eat.

I always sell my culls on the market and will not sell a cull for a breeder at all, not even to one who wants to just raise for market, for I hope we can, as fancy breeders, inculcate the thought in

every section of the country that the largest and best are not too good for any of us to breed, either for show room or market.

I want to see the beautiful burnished gold, with pure white tippings, evenly barred wing and penciling in every flock and on every farm in the South to take the place of the uncertain cotton crop. It certainly costs less labor to raise them.

Drafts at Night.

Cold air will not injure fowls when they are turned loose in the yard and can exercise, but when on the roost at night and a cold stream pours on one of them from sunset to sunrise the chances are that the bird will soon begin to droop, perhaps have roup, and all the others take the disease. A crack or nail hole is worse than to have the whole front of the house open, as small streams of air on fowls always prove harmful.—Poultry Record.

Mammoth Bronze Turkeys FOR SALE



Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. If so, write at once

Mrs. J. C. Shofner
Route 1
Mulberry
Tennessee

MAMMOTH BRONZE TURKEYS FOR SALE

Foundation stock of Shofner and Bird Brothers' strain of best prize winners. Beautiful copper bronze throughout plumage. Satisfaction guaranteed. Write for prices.

MRS. THOS. D. MOORE,

Petersburg, Tennessee

Mammoth Bronze Turkeys For Sale

A beautiful flock of 1915 breeding direct from Shofner strain of best prize winners in the South. Prices reasonable. Address

MRS. R. L. MOTLOW,

MULBERRY, TENNESSEE

S. C. Brown Leghorns

From my New York and Boston winners. Can fit you out with a guaranteed winner for any show. Believe I have the best ever produced in both pullet and cockerel line.

STRAWBERRY HILL POULTRY YARDS,

RICHMOND,

BOX No. 287

VIRGINIA

WHITE WYANDOTTES

Eggs for hatching from prize winning stock. Also a few nice cocks and cockerels for sale. I have won prizes at all of the shows that I have entered both this year and last. Write for mating list—FREE.

JOE AKERMAN,

Cartersville, Ga.



BREEDER OF EXHIBITION
AND HIGH CLASS UTILITY

WHITE LEGHORNS
WYANDOTTES
REGISTERED AIRDALE TERRIERS

MAYWOOD WHITES
ARE WHITE

Write for catalogue, breeding stock, baby chicks, eggs for hatching MAYWOOD POULTRY FARM, Box 141, ANCHORAGE, KY.

THE FASHION PLATES WIN AGAIN

TALKING ABOUT WINNINGS AT RUSSELVILLE, ARKANSAS, I WON, on Black Orpingtons, Second Cock; First and Second Cockerel; First, Second and Third Hen; First, Second, Third and Fourth Pullet; First and Second Pen. Buff Orpingtons—Second Cock; Second and Third Cockerel; First, Second, Third and Fourth Pullets; Second Pen. Write me your wants. THE FASHION PLATE ORPINGTON YARDS, J. H. BROCK, OWNER DOVER, ARKANSAS

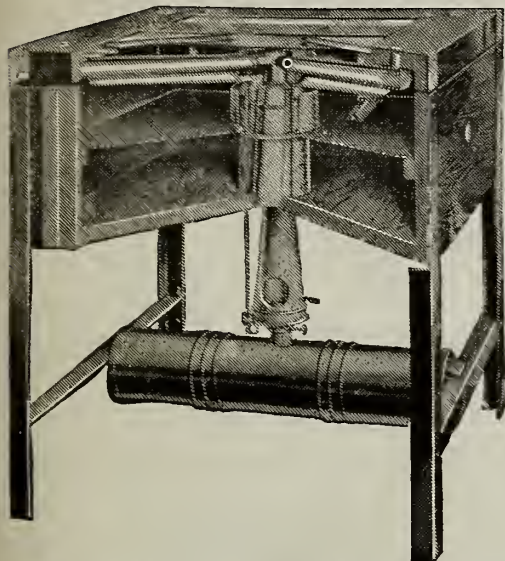
DEER'S QUALITY WHITE PLYMOUTH ROCKS

Won at the Great Armory Show, Louisville, November 22-27, cock 4th; cockerel, 2-4; hen, 1-5; pullet, 2-3; pens, old, 3d; young, 1st. Best display in White Rocks. Write us for prices on both old and young birds. We have quality that will please you. Eggs for sale. Choice matings. Address:

F. L. DEER,

R. R. No. 1, Box 37a,

Franklin, Indiana



Here is a sectional view of an incubator that has successfully hatched millions of chicks all over the country, from North to South, from sea to sea. We have reproduced this photograph because we felt sure it would interest our poultry friends.

Perhaps many will recognize this machine. It is the X-Ray incubator—the incubator having fifteen special and individual features. These features are best illustrated by this sectional view, and we will append a short description for the benefit of those interested.

The big, big special feature of the X-Ray incubator is its famous X-Ray duplex heater. There are no cold corners in the X-Ray machine. The ingenious construction of the heater overcomes the possibility of cold corners. Those pipes or tubes you see in the illustration convey a gentle heat to every point in the hatching chamber, diffusing this heat with positive certainty and absolute equality. Incubator men everywhere will appreciate the magnitude of this achievement. Equal distribution of heat has been the bugbear of manufacturers for years. The feat is now accomplished in the X-Ray incubator. The X-Ray Company may well feel an immense gratification over the fact that they have attained a point close to perfection in their X-Ray Duplex Heater.

The new X-Ray vapor generator is a big feature, too. It's a fact that this generator actually duplicates the natural conditions found under the setting hen. The heat, thanks to this generator, gets to the egg moisture laden. Heat from the hen's body, like that from any live body, is a moist heat. Dry heat is unnatural. Moist heat reduces the number of dead-in-the-shell chicks to a minimum. The X-Ray vapor generator is so located in the X-Ray machine that all the heat from the lamp is concentrated on this one point before it enters the X-Ray radiator. This warms the water—creates a vapor and the heat passes on to the radiator, warms the tubes, which in turn radiate the heat currents which must pass over and through this warm vapor before coming in contact with the eggs. Very simple and really remarkable in its operation and accomplishment.

Then there's the X-Ray egg tray—another simple thing, and made simpler than ever in the X-Ray incubator. Listen, poultrymen—here's an egg tray that doesn't sag. You know what that means for egg protection, for making every inch of space available, for developing the chicks. Turning and airing the eggs in an X-Ray incubator is comparatively an easy matter. Equalized heat and a level tray—most extraordinary and most desirable to say the least.

The X-Ray automatic trip is another special feature. Not any more than just enough heat ever gets into the X-Ray hatching chamber.

Columbian Wyandottes

We can sell you stock or eggs at reasonable prices and will guarantee satisfaction. At the Armory Show our birds won first and second cockerel and first pen, also winners at the Kentucky State Fair. Get our prices on stock or eggs.

MISS MOLLIE DOLL,

Cumb. East 331-A

Frankfort and Ewing Aves.,

LOUISVILLE, KY.

Bratton's S. C. Rhode Island Reds

were heavy winners at the Great Armory Show, Louisville, as follows: 1-2-3-4 cock; 2-4 cockerel; 1-2-5 hen; 2 pullet; 1 young pen and 2 old pen; champion cock bird of the show. These winnings were made in strong competition. If you want show, breeding or utility birds, write me for prices. Eggs in season.

R. L. BRATTON,

R. R. No. 2

NEW ROSS, INDIANA

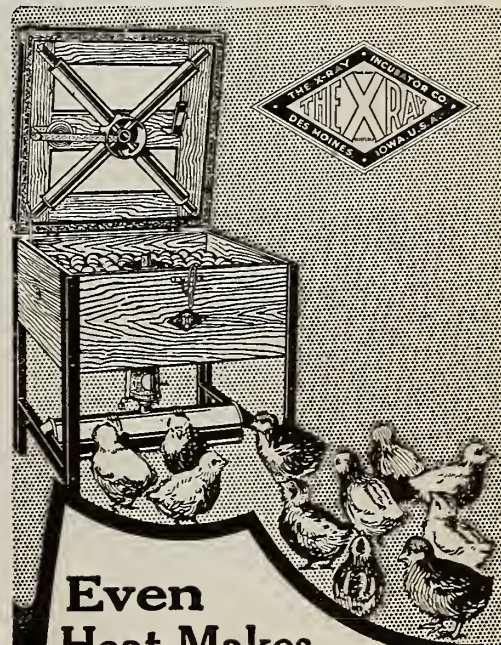
When the temperature in the X-Ray starts to rise above the hatching point, the X-Ray thermostat instantly turns down the blaze at the lamp, leaving it just the proper size to exactly maintain the hatching temperature. And this clever little device is just a thin blade of metal arranged to operate in the manner described above. Saves lots of oil—saves about two-thirds that usually consumed.

Look at the great big X-Ray oil tank. Holds more than enough oil to make the entire hatch. Fill once—you're through. Big relief from numerous refillings and from worry about the oil giving out and ruining your hatch.

And now we come to the X-Ray hinged glass top. The glass top means more than just an easy way to view the eggs. Glass makes a better deflector than anything else that could be used. It increases, intensifies and has a tendency to more evenly distribute the heat. The convenience of having eggs, chicks, thermometer and everything in the egg chamber so they can be seen at a glance is a convenience and a benefit that cannot be overestimated. Opening an incubator every little while is a poor idea as well as a nuisance—the X-Ray hinged glass top makes frequent openings absolutely unnecessary.

The X-Ray construction is so different from others that construction takes a first place in the list of special features. Of course, only thoroughly dry California redwoods are used. But the style of construction calls for special remark. The cover of the X-Ray incubator, to be specific, is the remarkable part. It is also the most costly individual part. Upon the accuracy and durability of the X-Ray cover depend the results of hatches—the success and profits they bring. The X-Ray Company takes especial pains with the construction of their cover. The precious heating device—X-Ray duplex heater—which is really the heart and soul of the machine—is fastened firmly to this cover. When the cover is raised the radiator, the thermometer and part of the regulating apparatus is raised with it, and when the cover is closed down the central hood of the radiator telescopes down over the top of the flue, making a perfectly sealed connection. A very fine quality of insulating material is placed over this lid or cover. Over this insulating material is placed a covering of rosewood enamel steel, which makes a fine finish, indestructible and impervious to all kinds of weather.

There is more, much more, to be said about the construction of the X-Ray Incubator, but space forbids. It is also impossible to enter into a description of the remaining special features. There's the X-Ray perfected thermometer holder, the X-Ray special lamp and lamp wick, the X-Ray automatic regulating device—and still other special features that will delight all those experienced in the trials and triumphs of poultry raising, and those who are just beginning in this money-making industry, but more cannot be said here. Those interested, however, can secure full descriptions, pictures and details of all the parts by addressing the X-Ray Incubator Company, Des Moines, Iowa, and asking for catalog. The book will also cite you to numerous poultrymen in all parts of the country who are successful and enthusiastic users of this machine.



Even Heat Makes Record Hatches

MILD, moist, even heat sent to every corner of the hatching chamber by the X-Ray Duplex Central Heating Plant heats every egg exactly the same. Never too much heat, never too little—X-Ray Automatic Trip attends to that.

One Gallon of Oil, One Filling Makes the Hatch in an X-Ray Incubator

Fill the big tank just once—that's enough for the entire hatch. No fussing to fill a tank every day. No danger of hatch becoming chilled.

Get Book Free and study X-Ray construction. One reading of the book will convince you that the X-Ray is built along the right lines. Scientifically correct in every detail and backed by years of incubator know-how.

Express Prepaid on X-Ray Incubators and Brooders to practically all points. Post-card brings book No. 77

X-Ray Brooders

Built on same scientific lamp-in-center plan. Sanitary, rat proof, evenly heated. Give chicks the best start—raise largest percentage.

The X-Ray Incubator Company
Dept. 77 Des Moines, Iowa

The X-Ray incubator by its scientific mechanism and excellent construction makes poultry raising a practical certainty. Get full information from headquarters. Drop a card bearing your name and address to the X-Ray Incubator Company, Des Moines, Iowa.



This department is conducted by the Editor, 901-902 Great Southern Building, Louisville, Ky. If your birds are sick, write him. He will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Mating.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I am just starting in the poultry business and have White Wyandottes. How many females would you advise mating with a good vigorous cockerel? This is my first year breeding poultry and I get a lot of good suggestions from your paper. Very truly yours,
Jennings, La. J. B. W.

Do not mate over eight females with one male and if the birds are not vigorous and healthy do not mate so many. In Leghorns and smaller birds you can mate more with a male with good results.

Feather Eating Hens.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have some birds with all the feathers missing from their necks and I am at a loss to know what the trouble is, so am writing you to learn. If you can give me some information on this subject I would certainly be thankful to you. Yours truly,
Beaumont, Tex. H. H. J.

Your birds' feathers are being eaten by some member of your flock. If you will keep a close watch on your flock you can easily detect the bird doing the mischief. Separate it at once from the rest of the flock. The cause of this habit is not keeping your bird's time employed. Make them work and exercise after all the feed you give them. Keep them busy and they will not acquire such bad habits.

Incubator Chicks.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I am thinking of getting an incubator to hatch some early birds with. Do you think that incubator chicks are as healthy and grow into as vigorous matured birds, as chicks that are hatched with hens. Please let me hear from you by return mail. I enjoy the Industrious Hen very much and have been a subscriber for several years. Yours truly,
Hendersonville, N. C. W. B. H.

You will find that chicks hatched in an incubator are just as healthy and will grow and develop into as vigorous old birds as those hatched by hens. It is almost an impossibility to get early chicks out without an incubator or brooder, as the hens do not get broody until way late in the spring. It is wise to let the incubator do the hatching and keep the hens laying.

Breeding Question.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I am a beginner in the poultry business and want to ask for some information. I have a pen of extra nice Barred Rocks that will be one year old in the early spring, and have thought of mating a two-year-old cock with them and breeding for pullets for my own use. These pullets or hens are good size and are laying now. Please advise if you would approve of this. I haven't a pen of two-year-olds and would like to mate as stated above, if you advise it. Thanking you for your opinion. Respectfully,
Tullahoma, Tenn. W. F. Y.

You should get splendid results by mating a two-year-old cock with yearling hens. The eggs you secure from this mating should run high in fertility. The main essential in mating a breeding pen is to know that the birds are vigorous and free from disease and with plenty of vitality. Birds of this kind always produce strong healthy chicks.

White Orpingtons.

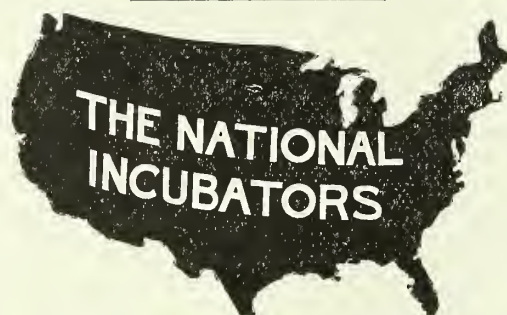
Be sure to look up the advertisement of Florence Poultry Farm, Florence, Ala., if you are in the market for good breeding or show stock and eggs for hatching in S. C. White Orpingtons. They have won at the leading shows all over the South and we can recommend them and their birds to our readers.

Stock and Eggs.

Buff and White Orpingtons and S. C. Reds are the varieties bred by S. M. Harbison, Danville, Ky., whose advertisement appears in these columns now. Get his prices on stock or eggs for we know he can please you in both quality and price. He guarantees satisfaction or he will refund your money.

American Barred Plymouth Rock Club Meet.

The national meeting of the American Plymouth Barred Rock Club will be held in connection with the Greater Chicago Show, January 13-19, 1916. This club has worked up a magnificent list of specials, which total a little over \$350 in cash, and if money counts this should bring out a magnificent exhibit. All Barred Rock breeders should send to the Chicago Poultry Breeders Association, at 923 Advertising building, for a copy of the premium list, which will give a full list of the distribution of these premiums.



In this issue appears the advertisement of the National Incubator Co., Box 37, Racine, Wis. The National people are still making their own reliable metal covered incubator which has been on the market now for four years. They are offering it for forty days' trial to show their good faith in the machine and they are making but one size this year, the 165-egg and brooder. Their advertisement appears on page 124. We suggest that you read it carefully. They also have just published their new book, "Poultry Points," which contains a great deal of valuable information regarding the profitable raising of poultry. We suggest that you write them for copy.

S. C. RHODE ISLAND REDS

Winners at the Owensboro Poultry Show, 1915: 1-2 pen, 1 cock and 1 hen. Young and old stock for sale at reasonable prices. Eggs in season \$1.00, \$2.00 and \$3.00 per fifteen. Satisfaction guaranteed.

A. M. ROBARDS,

R. R. No. 6

OWENSBORO, KY.

WHITE PLYMOUTH ROCKS

We can sell you nice cockerels and pullets from \$1.00 to \$3.00, and guarantee satisfaction or refund your money. We want to please you. Eggs \$1.00, \$1.50 and \$2.00 per fifteen.

MRS. J. W. WESTACKER,

R. R. No. 2

STANLEY, KY.

SINGLE COMB REDS BUFF ORPINGTONS WHITE ORPINGTONS

The kind that lay and pay. Good birds \$1.50 up. I can please you. Satisfaction guaranteed.

S. M. HARBISON
DANVILLE, NO. 410 MAPLE AVENUE, KENTUCKY

Just say you saw it in THE INDUSTRIOUS HEN.

Eggs 12c A Day BY USING

"OCULUM," a NEW DISCOVERY which has stood a U. S. Government test.

"I was getting 20 eggs a day when I began using 'OCULUM' three weeks ago. Today I got 300."—D. B. McNeill, Cunningham, W. Va.

"I would not think of doing without 'OCULUM' if it cost five times what it does."—U. R. Fishel, Hope, Ind.

A drop a day to each hen in the feed—THAT'S ALL. Trial bottle (240 doses) 10 cents. Booklet FREE.

H. I. CO., Inc

Box M

Salem, Va.

Dealers handle it. "OCULUM" keeps the comb BLOOD RED.



Good for All Your Birds All the Time

Conkey's POULTRY TONIC

is a nerve and body builder. It regulates the organs, aids in perfect digestion, and maintains strength and vigor in your breeding birds all season long.

There is no straw, chaff, middlings or bran in Conkey's Poultry Tonic. It is all medicine and therefore, you get what you pay for when you buy Conkey's.

Get a 25c Package or \$2.50 Pail from your Dealer and watch the flock brighten up. Also feed it to the young chicks. If your Dealer cannot supply you write us for prices, delivered.

THE G. E. CONKEY CO.
1011 Conkey Building
Cleveland, Ohio

**THIS IS ROUP
WEATHER — Be
sure to have Con-
key's Roup Remedy
handy. 25c, 50c and
\$1.00 Packages.
Send 4c for new 80
Page Poultry Book.**



Single Comb Brown Leghorns!

Winners at Louisville, Lexington, Ky., Knoxville, Tenn., New Albany, Ind., Hamilton, Ohio, Indianapolis, Ind., Augusta, Ga. Cockerels at \$3 and \$5 each; Pullets at \$2 to \$5 each. Exhibition stock special prices.

BONNYCASTLE POULTRY YARDS - - - **LOUISVILLE, KY.**

A Million Dollar Deal Closed by Dr. S. B. Smith.

A few years ago Dr. S. B. Smith, of Cleveland, started a very modest day-old chick business, and met with such remarkable success, that inside of two years he was using a capacity of 150,000 eggs. His plant just grew by leaps and bounds, and before he realized it, the doctor was having considerable trouble in looking after the chicks which were waiting for shipment. When one stops to consider that he was hatching from 35,000 to 40,000 chicks a week, it is not hard to understand that he had some job on his hands.

Well, he tried a lot of different brooders with more or less success, but none of them were doing the work as he thought it should be done, and finally, in desperation, he started to work out some ideas of his own. The doctor is a thoroughly practical fellow and his long experience in the laboratory stood him in pretty good stead, with the result, that after two years of constant experiment, he perfected a coal-burning brooder that was as simple as A-B-C, and eliminated all the objectionable features he had found in the other coal burners which he had tried.

After perfecting the brooder, the doctor had a number of them made for his own use, and they attracted the attention of everybody who went to the hatchery. Their absolute simplicity and perfect action appealed to every practical man who saw them, with the result that he was first compelled to have a few made for his own customers, then a lot more for their friends, and before he knew it he had sold over 500 of them. In the meantime his friends were urging him to put it on the market, and with that thought in mind he took it to the Madison Square Show, where he sold 115 of them to the largest and most experienced breeders in the country during the five days of the show. By having his brooder in operation at the show he was able to give the visitors and exhibitors a practical demonstration of its superiority over any coal-burning brooder they had ever seen.

While attending the Madison Square Show, Dr. Smith met Mr. Geo. Cugley, who is president of the Buckeye Incubator Company, and Mr. Cugley was so impressed with the Standard Colony Brooder that he arranged for its sale with the Cugley & Mullen Company, of Philadelphia, of which he is also president. Mr. Cugley's retail store had such a remarkable experience with the Standard brooder that within three months Dr. Smith was just swamped with orders that he could not fill, and as the doctor was not in the real manufacturing business, he soon realized that he had a bigger thing than he could handle with his day-old chick business and the brooder business too. One of them was enough to keep a good-sized organization busy, and with the doctor's natural love for the chickens, it didn't take him long to decide which he would stick to.

When he decided to get somebody else to look after the brooder business, he very naturally turned to Mr. Cugley, and it took them just about half an hour to arrange a contract that involves over a million dollars' worth of brooders. The Buckeye Incubator Company was given the exclusive right to sell the "Standard" brooder, and the doctor will devote his attention to his big hatchery. The Buckeye Company contracted to sell at least 10,000 brooders a year for a period of ten years, and the doctor has the satisfaction of knowing that he not only made it possible for the poultrymen of this country to procure a wonderful brooder that cares for 100 or 1,500 chicks, at \$15.00, but at the same time he will be receiving a very comfortable consideration in the way of royalties.

Since the Standard brooder was shown at Madison Square Garden, there have been five or six imitations appear on the market, but a close examination shows that they have only been made to "look" like the Standard. Of course it goes without saying that no imitation is as good as the original, but it is flattering to Dr. Smith to know that he invented a brooder that at least six regular brooder manufacturers tried to imitate. Just as soon as the doctor gets all his patent papers he will take the imitators into court and stop their illegal business, but in the meantime they are more likely to fail of their own weight, as I never yet saw an imitation succeed. All hail to Dr. Smith!

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IMPORTED PENCILED RUNNERS
Choice breeding stock. Eggs for hatching \$1.00 and up. We ship on approval. Mating list ready January 1.
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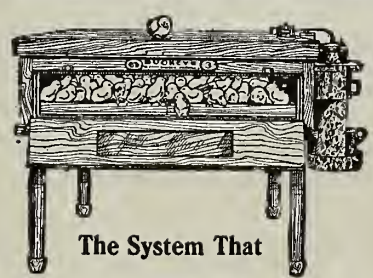
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It will pay all large consumers to investigate the quality of **SHAWNEE BRAND** feeds. The superior quality of our feeds will please you and prices will interest you. Ask your dealer for it.

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"Buckeye" The Standard

"The Best Incubator Made"



The System That
HATCHES MORE CHICKS
AND
HATCHES BETTER CHICKS
Than any other incubator regardless of size, price or method.

Recognized by the largest breeders and the largest poultry supply dealers as the safest and surest incubator ever built. Every machine a guaranteed success.

It's the Best Incubator Made

Not the cheapest incubator but the best.
It's the incubator that is built UP to a standard and not DOWN to a price. That's why the "Buckeye" is sold by more reliable dealers than all the others combined—that's why so many of the large, successful breeders will use no other. The "Buckeye" is sold by more than two thousand of the largest poultry supply dealers and there are over 400,000 in successful operation! Let us send you a list of some of the big breeders who use the "Buckeye" and their reasons for using it. Let us send you the names of the largest dealers and their reasons for selling it. Let us tell you about the wonderful success of the "Buckeye" system and why so many have tried to imitate it. The "Buckeye" is made in seven sizes—60 eggs to 600 eggs.

600 Eggs	-	-	\$50.00
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110 Eggs	-	-	12.50
60 Eggs	-	-	7.50

SOLD ON 40 DAYS TRIAL
and guaranteed to hatch every hatchable egg.

Try a "Buckeye" in the same room with any other incubator and if it doesn't hatch more chicks and better chicks the first time you try it, we'll take it back.

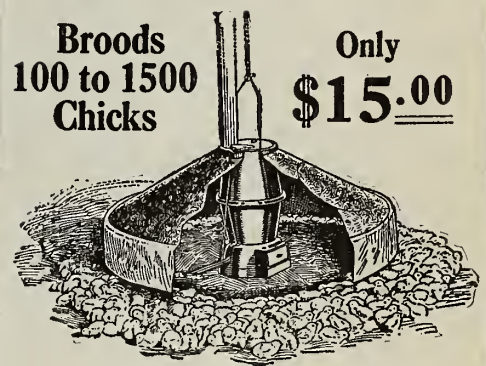
Write for "Buckeye" Catalog and Proof of "Buckeye" Superiority

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Note: Prices are a little higher west of the Rockies on account of freight rates.

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100 to 1500
Chicks
Only
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The Greatest Coal Burning Brooder Ever Invented

Self Feeding—Self Regulating—Everlasting. Heavy cast iron stove that requires coaling but once in 24 hours in any temperature.

Fifty-two inch hover that will positively brood 1500 newly-hatched chicks.

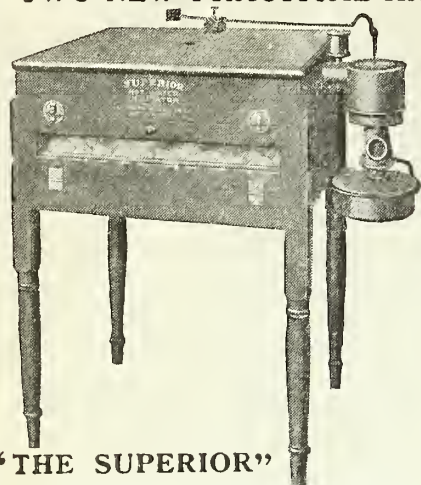
30 Days Free Trial

The Standard Colony brooder is the most practical brooding device ever invented. It will do anything and everything that any other brooder will do and do it better. It is infinitely more satisfactory than brooders selling at twice the price. We are so positive that it can not fail that we will permit you to try one for thirty days and

Write Your Own Money-Back Guarantee

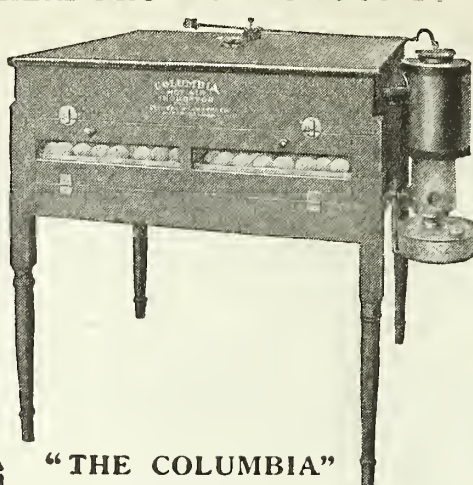
Sold and guaranteed by dealers everywhere at \$15.00. Insist on the "Standard" and beware of imitations. Write us for a "Standard" Catalog and we will tell you how to grow three chickens where one grew before.

TWO NEW PRACTICAL HATCHERS PROVE A BIG SUCCESS



"THE SUPERIOR"

A Cyphers-Built HOT-WATER Incubator at a Low Price



"THE COLUMBIA"

A Cyphers-Built HOT-AIR Incubator at a Low Price

Cyphers Company's Two New Hatchers Make Good.

Probably no recent additions to poultry raising equipment have aroused as widespread interest as did the introduction last year of the Cyphers Incubator Company's two new, popular-priced incubators—the "Superior," hot-water heated, and the "Columbia," a hot-air machine.

The introduction of these two new models, both selling at low prices, was in full accord with this enterprising company's fixed policy "to manufacture for the poultry public whatever it needs and wants, provided the article has practical value and will give genuine satisfaction."

It is a pleasure to be able to inform our readers that these new incubators have thoroughly made good, Cyphers Company reporting that there has not only been a big demand for them, but, what is still more gratifying, that they are giving complete satisfaction in practical, everyday use. The Superior hot-water incubator is made in two sizes, 65 eggs, \$12.00, and 130 eggs, \$16.00. The Columbia hot-air is also made in two sizes, 140 eggs, \$16.00 and 250 eggs, \$22.00.

If you, reader, are hesitating on the purchase of an incubator for financial reasons, do not overlook the fact that in almost every locality there is an opportunity to pay for new machines by hatching and selling day-old chicks and doing custom hatching. Your neighbors no doubt will be glad to buy chicks from you at a good price, or to pay you for

hatching eggs for them, when they know that you are equipped to serve them. You can readily pay for your incubator this season by hatching for your neighbors.

The Cyphers Company informs us that each year hundreds of their customers follow this plan and are delighted with the results secured. Indeed, many Cyphers customers, both men and women, report that they have built up a hatching trade that provides them an income of several hundred dollars a year—doing this, in many instances, without interfering in any manner with household duties or regular means of livelihood. Of course it will pay to order your incubator early as possible so that you can have the use of your machine throughout the entire season.

Cyphers Company's 1916 year-book, "The Profits in Poultry Keeping," tells all about the Superior and Columbia popular priced hatchers and also their famous Standard incubators. This big, 172-page year-book and poultryman's guide contains much valuable information regarding the poultry business, and describes the Cyphers line of adaptable, portable, electrical and coal burning colony hovers, brooders, semi-mammoth and mammoth incubators, poultry foods and dependable poultry supplies; also gives full details regarding free literature. We urge all our readers to send for this book. Do not forget to mention this journal when writing. Address nearest office of Cyphers Incubator Co., Dept. 13W, Buffalo, N. Y.; Boston, Mass.; New York City, Chicago, Ill., Kansas City, Mo., Dallas, Tex., or Oakland, Cal.

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Let us quote you prices on show breeding or utility birds. We can give you quality at reasonable prices. Winners at Indianapolis, Louisville, Lexington, Hopkinsville, etc. Get our catalogue and prices.

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550 South Fourth Street.

George E. Schulz, Prop.
LOUISVILLE, KY.

S. C. Rhode Island Reds In hot competition at the Armory show at Louisville, November 22-27, I won first and third cockerel; third and fourth hen and third pen. Look up our winnings at other leading shows during the past five years and get our prices on stock and eggs that will produce winners for you.

B. D. PARKER,

SANDERS, KENTUCKY

S. C. ANCO NAS My birds are raised on open range and are vigorous and thrifty. They are bred to lay and bred to win. Eggs and stock for sale.

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VERY BEST FOR POULTRY

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New Turkey Advertiser.

Mrs. Thos. D. Moore, Petersburg, Tenn., is advertising her Bronze turkeys in this issue. She is offering breeding stock at reasonable prices and guarantees satisfaction or will refund your money. Her advertisement appears on the turkey page.

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To Industrious Hen subscribers sending us in December and January the largest and best list of farmers owning their own farms, with P. O. Address, we will give \$10.00 in gold; second prize, \$5.00 in gold; third prize, \$2.50 in gold.

No names will be counted but those of bona fide farm owners, and where two or more lists are sent from same locality, we reserve the right to take equal number of names from each list. Use care in making lists, as larger premiums will be awarded later to those sending in the lists yielding largest amount of business.

All lists must be in before January 20. The names of winners will be published in the first February issue of this paper.

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again sweep the deck at the Big Quincy, Ill., Show, Thanksgiving week. I won first, third and fourth cock, first, second and third hen, first and third cockerel, first and second pullet and first and second pen. Besides a number of specials including a silver cup for best pen. I have a few nice cock birds for sale yet and a nice bunch of breeding cockerels. Write me your wants. Inquiries answered promptly.

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Eggs or stock, get a free copy of our booklet which describes and quotes very low prices on "Eight Best Varieties." Special sale this month in Black Orpingtons and White Rocks. Write for this catalogue today.

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Send us your subscription for one year and we will give you twenty-four legbands or a Petty poultry punch free.

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Bred from prize winners. Cocks and cockerels from \$2.00 up. Pullets from \$1.00 up. Satisfaction guaranteed or money refunded. Address

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My Reds swept the deck at the Georgia State Fair, winning four firsts, sweepstakes male bird, and other prizes. First cock Memphis, Tennessee. I can furnish cockerels, eggs and baby chicks of superb quality.

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SPAIN'S BARRED P. ROCKS and MAMMOTH BRONZE TURKEYS

Won at Virginia Poultry Show, Dec. 7-10, in the hottest class ever seen in the State, 4 cock, 3-4 hen, 2-5 cockerel, 1-3 pullet, 1 pen, two silver cups and several specials, on 12 birds entered. A grand lot of exhibition and purebred cockerels, also pullets. I can furnish you Turkeys direct from my Garden tom, also from my 100-egg hen. She has several daughters that have laid 50 eggs in one clutch. Large bone, pure white edgings and bronzed with golden bronze. I can furnish exhibition or breeders of either breed.

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2,500 BARRED AND WHITE ROCKS, S. C. WHITE LEGHORNS AND WHITE WYANDOTTE PULLETS

at attractive prices. March and April hatch, reared and grown on range, fully matured and developed and ready to do business. Leghorn pullets, \$1.00 each—90 cents each in 100 lots. Rock and Wyandotte pullets, \$1.25 each—\$1.10 each in 100 lots. No culls, but healthy, vigorous specimens. We also have 1,000 yearling hens at prices that will move them quickly. Leghorns, 75 cents each in any quantity. Rocks and Wyandottes, \$1.00 each in any quantity. They are grand in type and shape and would make splendid breeders. Two hundred good, big, husky, snappy, breeding cockerels, March hatched and with quality hard to beat, \$2.00 each. Satisfaction guaranteed with every sale.

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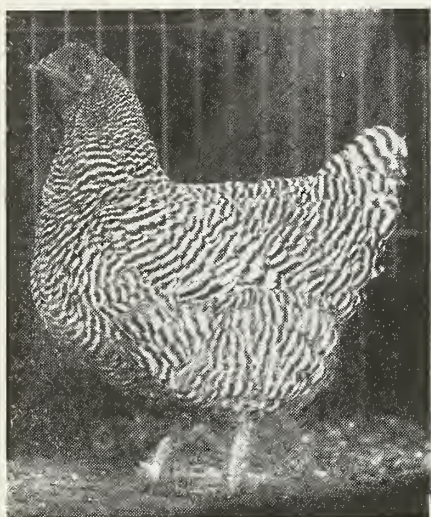
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At Hagerstown, Chicago, Chattanooga, Panama-Pacific Exposition, Memphis, Atlanta, New Orleans and scores of other shows, my birds have been judged by many judges and have made wonderful records. "ASK THE JUDGES" about

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It is useless for you Southern Fanciers to send your money away from home and then get values which will not compare with what you can buy at home.

My pens are now mated up, and I am booking orders for eggs from these sensational champions at

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After winning throughout the South, I exhibited and won (defeating breeders of great reputation) at Hagerstown, Chicago Coliseum and Panama-Pacific Exposition, simply to show you that Andrews' birds, raised in the South, are the sensation of American Barred Rocks. Why not buy your eggs and stock at home and get a square deal, in addition to securing blood lines from this wonderful strain

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Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N.Y. For seven consecutive years

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They are famous egg machines and the greatest winter layers, with the wonderful egg record of

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Every breeding pen contains one or more of these winners.

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